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Presidential Search and Screen Committee is being established

A University Presidential Search and Screen Committee is being established to help in the search for a successor to President Oswald who will retire June 30, 1983.

Quentin E. Wood, president of the Board of Trustees and chairman of the Trustee Presidential Selection Committee, has asked groups within the University community to nominate Search and Screen Committee members.

Mr. Wood asked that names of nominees be submitted to him by Oct. 15. From those nominees, the Trustee Presidential Selection Committee will appoint the 15 members of the University Presidential Search and Screen Committee. All members will be asked to serve until a new president assumes office.

According to approved guidelines, the Search and Screen Committee will be composed of:

- Eight faculty members. Four will be officers of the University Faculty Senate—its chairperson, chairperson elect, past chairperson and secretary.

- The four Senate officers will submit to the Trustee Presidential Selection Committee names of eight additional faculty nominees. Four will be from the University Park Campus, two from other campuses and two from Penn State's Graduate Council.

In selecting the eight nominees, the guidelines specify, the Senate officers will be responsible for ensuring representation and involvement of the appropriate members of the University faculty community.

From this list of nominees, the Trustee Presidential Selection Committee will name two faculty members from University Park, one from another campus and one from the Graduate Council to the Search and Screen Committee.

- Two deans, to be selected from all University deans, including those of Admissions and The Milton S. Hershhey Medical Center, Libraries, Graduate School, Behrend College and Capitol Campus.

One will be the chairperson of the Council of Academic Deans. In addition, the Council will nominate two deans from which the Trustee Presidential Selection Committee will select one.

- One member of the President's administrative staff, to be selected from

two individuals nominated by the staff.

- One Commonwealth Campus director, to be selected from two nominated by the Council of Commonwealth Campus directors.

- Two students, one undergraduate and one graduate. The Undergraduate Student Government and the Graduate Student Association will nominate, by procedures they determine to be appropriate, two undergraduate and two graduate students. The Trustee Presidential Selection Committee will select one undergraduate and one graduate student.

- And one alumnus, the president of the Alumni Association.

The chairperson and vice chairperson of the Search and Screen Committee will be named by Mr. Wood.

The committee's duties will be:

- To work with the executive secretary of the Trustee Presidential Selection Committee, Dr. Richard E. Grubb, senior vice president for administration, in announcement of the position.

"This shall be accomplished," the guidelines state, "through appropriately placed advertisements and through various communications."

The Search and Screen Committee "shall seek out applications and nominations for the position and will make known the criteria and qualifications set forth by the Trustee Presidential Selection Committee."

- To screen, review and evaluate all applications and nominations on the basis of the information received from the candidate or from the nominator. The committee "may also seek additional information as is available about the individuals but will not intervene or be in contact with individual applicants or nominees at this stage."

"References shall not be contacted. After the closing of the nominations, the committee shall then prepare, unranked, for the Trustee Presidential Selection Committee a list of five to ten individuals deemed to be most qualified from those nominated or who applied." That list will be submitted by May 31, 1982.

- To provide additional information when it is requested by the Trustee Presidential Selection Committee, as it begins its analysis of those identified and recommended by the Search and Screen Committee.



Happiness at Summer Term Commencement

(Photo: Scott Johnson)

Policy on evaluating academic administrators revised, retitled

President Oswald has issued a slightly revised policy AD-14 which provides for review of the operations of academic administrative offices.

The revised policy was developed and approved after discussions with the Faculty Advisory Committee, Council of Academic Deans, and the President's Administrative Policy Council.

The new AD-14 replaces a 1976 directive and has been retitled, "Academic Administrative Evaluation."

"The revisions," Dr. Oswald said, "are designed to interpret and clarify the previous policy and to assure that the evaluations provide an assessment of the strengths and weaknesses of academic administrative offices with the purpose of improving the functioning of those offices."

Spelled out in the revised policy are the specific offices which are subject to the evaluations.

It further defines the academic administrative offices to be reviewed as those that report directly or indirectly to the Provost of the University.

"In addition to vice presidents', academic deans', and Commonwealth Campus directors' offices," the policy states, "such offices shall include the offices of assistant and associate vice presidents; assistant and associate deans; department or division heads; directors of research units, and assistant and associate Commonwealth Campus directors."

The revised policy also provides for assurance of communication regarding initiation and completion of the reviews.

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President states views on television football contracts issue

Editor's note: To help clarify Penn State's position on the television football contracts issue between the NCAA and the College Football Association, President Oswald stated his views in a letter to presidents of institutions with membership in the College Football Association, PAC 10, Big 10, and to commissioners of the major football conferences. The content of his letter, mailed last Friday, follows:

I am certain that you are giving careful consideration to the question of the College Football Association's (CFA) plan to contract with the National Broadcasting Company to televise football games in 1982 through 1985. I have been a strong supporter of the objectives and activities of the CFA even though I had hoped that the NCAA would have established its own Division to meet the needs of our schools with comparable football programs. It is essential to ensure that institutions such as ours with major

football programs are absolutely certain that they function under carefully considered rules and regulations as an overall part of the educational program, and with maximum inter-institutional trust. The CFA schools have provided a forum in which schools with comparable football programs have worked together to improve the sport and to develop such trust.

The one personal concern I had in joining the CFA was that the new organization might possibly be interpreted as anti-NCAA in nature. I am absolutely convinced that this is not, or ever has been, one of the goals of the CFA. Indeed, in my judgment the CFA has developed some worthwhile potential improvements in the conduct of football, and I am pleased that Penn State's Head Coach, Mr. Joseph Paterno, has been one of the active participants in these considerations. In its short history, the CFA has dealt with matters such as reducing the

number of coaches, strengthening recruiting regulations, pushing for an academic progress requirement for student athletes, supporting an increase in the grade point average required for admission, etc. All of these moves, I believe, are in the direction of keeping our football programs in proper perspective. Some of the recommendations of CFA have become NCAA policy and I am hopeful that many others will at subsequent conventions.

The CFA has been a worthwhile instrument for major school football programs. It is therefore most unfortunate that a potential divisiveness between institutions now seems to cloud the proposed CFA television program. I have heard of no CFA school talking about leaving the NCAA. Indeed, the CFA contract would provide the

(Continued on page 3)



Nancy M. Tischler

Senate chairman previews plans for this year's Faculty Senate

Dr. Nancy M. Tischler's inclination for solving problems through simple, informal conversation may have its effect on a University Faculty Senate that has grown increasingly complex and procedural over the years.

As Senate chairman for 1981-82, Dr. Tischler hopes to streamline the Senate system — which includes the manner in which the faculty governance body approaches its work and the frequency of its meetings.

"As the Senate has accumulated procedures in an effort to be fair and uniform, we have often become impossibly complex," she says. "We need to step back and look for ways to decentralize and simplify. We can do this to a large extent by simple conversation — by putting fewer things on paper. Often, it's best just to talk to the people involved and solve the problem informally."

"In addition," she notes, "I think the Senate is getting too involved with administrative work. We can escape from that easily enough by saying some things are not our job. Clearly, our central concerns are academic standards and curriculum. We can encourage better advising, better teacher-training, better integration of knowledge, but others must see that our wishes become reality."

She's also concerned with the once-a-month frequency of Senate meetings. "I'm going to ask the Senate Council to look at the agenda each time and ask if it is significant enough to warrant bringing hundreds of people thousands of miles — which involves a great deal of expense," she points out. "If we don't have enough for a productive session, I don't think a meeting is justified."

"If they need meetings of their committees, our Senate committee chairpersons could request that we instead have extended committee sessions. When we stop having perfunctory assemblies, we might find our meetings better attended, more efficient, more exciting."

Over the summer, Dr. Tischler has been talking with senators and administrators to learn about their concerns for the impending academic year.

"A major and complex issue that concerns the entire committee is student evaluation of teaching," she says. "We need to divide judgment of courses, improvement of teaching, and tenure decisions into separate questions. The Senate has at least three committees involved with teaching evaluation, and the deans have one. They should get together to analyze the problem. I think this is one area where decentralization makes a lot of sense. No one knows how good a faculty member is as well as the

local people — those in the teacher's department or at his or her campus. It may prove wiser to trust summary statements from local committees indicating the professors' teaching ability rather than put our faith in forms and numbers."

The calendar conversion effort also is generating issues. "One of them is the length of the sabbatical — will it be shortened? Will it consequently be available more frequently? Another concerns the 'at-home' sabbatical, which has been referred to as the 'paint-the-house' sabbatical and is rarely allowed," Dr. Tischler says.

But such a policy works especial hardship on women faculty members who have families and on dual career families with little flexibility. The Faculty Affairs Committee has almost completed a report on the entire history of sabbaticals, and the Senate will use this as a point of reference for discussion of the issue."

In addition, the calendar conversion has created concern over the proposed summer sessions, she says.

"There are some interesting problems here. One proposal advocates putting faculty members on something similar to the Continuing Education salary structure for the summer. But if the salary schedule isn't appealing, the University won't get a very wide range of course offerings. Senior faculty members won't want to teach during the summer, and that fact may pose problems in attracting graduate students. The proposal that the summer sessions be a self-supporting, stand-alone operation is generating many questions that faculty should consider."

Besides faculty evaluation and calendar conversion, the Senate agenda for the year will deal with a critique of the implementation of Baccalaureate Degree Requirements (BDR III).

Dr. Tischler also wants the Senate to refocus its sights on enriching the intellectual atmosphere of the University.

"We must turn our attention to the life of the intellect. I don't think other junior or senior faculty members want to spend their lives talking about promotion and tenure, although the subject is terribly important to the community. Surely we chose this profession for more idealistic reasons than the job security it offers."

"It's been said that bright students at Penn State find little support or comradeship, and many of us want to correct that situation. We, as the Senate, need to turn our attention to recreating the community of scholars who are not preoccupied with the terms of our contract. We cannot escape our role as the watchdog for faculty rights, but we can perform that chore with more dispatch. Then we can get back to the real life of the professor — learning and teaching."

PS-23 to head Faculty Senate's agenda at first meeting, Sept. 8

Several legislative and informational reports highlight the agenda awaiting the University Faculty Senate when it convenes for the 1981-82 academic year at 2:10 p.m. Tuesday, Sept. 8, in Room 112 Kern Bldg.

Heading the legislative reports is that of the Faculty Affairs Committee, which will ask the Senate to take action on two proposed changes to PS-23, the University's policy document on promotion and tenure.

The first proposal will focus on revamping the promotion and tenure review process so that college review committees may override their deans' decisions and forward promotion and tenure cases to the University review level. The second proposal will deal with modifying administrative guidelines to provide a clearer statement of the appropriate procedures for evaluating teaching effectiveness as related to promotion and tenure. The committee proposes that procedures and methods of evaluation shall be selected by faculty members of individual academic units.

The Committee on Academic and Athletic Standards will ask the Senate to act on proposed changes in its "Academic Policies and Procedures for Undergraduate Students," published annually in the *Penn State Student Handbook*. The changes are needed to make student rules conform with the early semester calendar.

A special committee on Computer and Informational Systems will ask the Senate to take action on its report, which recommends several means by which the University's computer and informational systems could be more fully utilized and unified.

Heading the informational reports is that of a special committee on the Freshman Year Experience. The

committee will detail its findings and suggest specific administrative remedies to problematic matters which affect freshmen.

The Senate also will hear an informational report from the Promotion and Tenure Committee, which will be presented by Dr. Richard G. Cunningham, committee chairman and University vice president for research and graduate studies.

Other informational reports will be presented by the Calendar Conversion Council, the Senate Committee on Academic and Physical Planning, and the Committee on Undergraduate Instruction.

This year's Senate officers are: Nancy M. Tischler, professor of English and humanities at Capitol Campus, chairman (see related story, this page); Joseph A. Dixon, professor and head of chemistry, chairman-elect; Carol A. Cartwright, professor of education and acting associate dean for academic affairs in the Commonwealth Educational System, secretary; and George W. Franz, assistant professor of history at Delaware County Campus, immediate past chairman.

Of the Senate's some 210 members, 80 percent are elected faculty members representing all colleges and Commonwealth Campuses, as well as the Reserve Officers Training Corps' three programs. Another 10 percent of the Senate's members are undergraduate and graduate students, and the final 10 percent are appointed administrative and ex-officio members.

In addition to its Sept. 8 meeting, the University Faculty Senate will meet on the following dates, all Tuesdays: Oct. 6, Nov. 10, Dec. 15, Feb. 2, March 9, April 6, May 4 and May 25. There will be no meeting in January and the June meeting has been moved to the second date in May.

United Way approved for payroll deductions

United Way, for the 10th consecutive year, has been recognized as the University's only charitable fund raising effort for which payroll deductions are made.

In making the announcement, President Oswald said, "I'm pleased to announce the University's official endorsement since United Way is a charitable organization designed to aid people in a particular community. With Penn State campuses in 22 different

locations, it offers a unique opportunity to the University, often a prime employer, to help its neighbors."

"Personally, I've always participated in the United Way," Dr. Oswald added. "Its volunteer focus, so much an American idea, has reinforced my optimism in our country. Last year's record contributions at University Park alone strengthen my faith in United Way and the Penn State family."

United Way campaigns are conducted each fall at all campuses in conjunction with local United Way offices.

Committee to assess admissions policies

Ten faculty members, administrators, and students have been appointed to a Provost's Admissions Review Committee for 1982 to assess admissions policies and procedures at the University.

"We need to review several of our fundamental admissions processes," says Provost Eddy, noting that the last major review of admissions procedures at Penn State took place in 1978.

Donald G. Dickason, dean of admissions, is chairman of the committee which is expected to complete its work by Oct. 1.

The ability of the University to predict enrollments, especially for Fall Term, will be reviewed along with the impact of the pending switch to the semester system on the admission of students during the summer.

The desired proportion of out-of-state students in the University's student population will be discussed also.

The committee's members include Janet Atwood, associate professor of physical education; Paul D. Bell, an undergraduate

with dual majors in marketing and art; Dr. Richard P. Chait, associate provost; Dr. Robert E. Dunham, vice president for undergraduate studies; Loren M. Furtado, director of the Office of Budget and Planning; Dr. Charles L. Hosler, dean of the College of Earth and Mineral Sciences; Philip C. Jacobson, an undergraduate pre-law major; Dr. Stanley F. Paulson, dean of the College of the Liberal Arts; and Dr. Robert J. Scannell, vice president and dean of the Commonwealth Educational System.

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Associate dean named at Behrend

Dr. Jack D. Burke has been named to the new position of associate dean at Behrend College. He also will serve as associate professor of geography.

Dr. Burke previously was associate dean and associate professor at the State University of New York, Empire State College, at the Niagara Frontier Regional Learning Center in Buffalo.

At Behrend he will be responsible for

academic support and services, as well as other special projects and programs. He will work closely with the heads of the college's Divisions of Natural Sciences and Engineering, Arts and Humanities Studies, and Social and Behavioral Sciences.

A specialist on industrial location, regional economic growth, and international trade, Dr. Burke has lectured and written extensively on the subjects.

He is the recipient of several grants and honors, including the SUNY Chancellor's Award for Excellence in Teaching, presented in 1976.

Computer committee adopts new policy

The University Advisory Committee on Instructional Uses of the Computer has adopted a policy statement to aid in the allocation of interactive computer services for 1 account authorizations by the Computer Center.

Under the policy, faculty members at University Park desiring to have interactive system connections authorized for students in their 400 or 500 level courses should file the usual 1 account application for computer use in Room 229, Computer Center.

A special request for interactive connections for the Fall Term should be submitted no later than Wednesday, Sept.

9, to E. R. Melander, chairman, University Advisory Committee for Instructional Uses of the Computer, 117 Old Main. Requests will be served on a first-in basis; the total number of 1 account connections will be limited.

The special request should identify the course, estimate the number of students; specify whether RJE, APL, CMS or INTERACT connections are desired; provide a special justification to connect students to more than one system; estimate the average weekly connection time per student and the total term connection time per student that will be required for students to complete course assignments.

A copy of the Committee's complete policy statement may be obtained by contacting Dr. Melander.

Report developed on government regulation

President Oswald was one of several panelists from business and education who provided information for a recent American Council on Education special report on government regulation in the United States.

The report, which has been endorsed by U. S. Rep. John P. Murtha, recommends self regulation, in which informal government negotiations would allow laws to be carried out without burdensome regulations, and performance standards — setting health standards, for example, and allowing industry meet them the best way possible without government interference unless the standards were not met.

"The Council's recommendations were both practical and enlightening," Mr. Murtha says in the weekly column he distributes to Pennsylvania newspapers, noting that the report recommends the use of impact statements providing detailed analysis of the economic impact of proposed regulations before they become laws.

"The report urges Congress to endorse these principles, and also puts the burden on the other side, noting that 'the regulated must consider their

responsibilities' to the public and the Nation," Mr. Murtha writes.

"These factors together, according to the report, 'have it within their power to change regulation into a more positive, enlightened force in American life. For the sake of the Nation, that power must be exercised.'"

Library tours scheduled

Tours of Patten Library will be offered through Friday, Sept. 4, and Sept. 8 and 9, at 9 and 11 a.m. and 1 and 3 p.m. An evening tour will be given at 7 p.m. Sept. 9. All tours will begin in the main lobby of Patten.

Tours of the branch libraries will be offered on the same dates. Tours for undergraduates will begin at 10 a.m.; graduate tours begin at 2 p.m. The branch libraries are: Architecture Reading Room (207 Engineering Unit C), Earth & Mineral Sciences (105 Deike), Engineering (325 Hammond), Life Sciences (E210 Patten), Mathematics (110 McAllister) and Physical Sciences (230 Davey).

Patten and its branches will be closed Saturday and Sunday, Sept. 5 and 6, during term break and on Monday, Sept. 7, Labor Day. Regular Fall Term hours will begin Tuesday, Sept. 8.

Summer enrollment increases by 250

Summer term enrollment at the University totaled 14,072 resident instruction students, an increase of 250 over last year, according to Dr. Robert E. Dunham, vice-president of Undergraduate Studies.

The final enrollment breakdown shows 10,460 students at University Park; 2,293 at the Commonwealth Campus; 894 at the Capital Campus; 277 at the Milton S. Hershey Medical Center; and 148 at the

Radnor Center for Graduate Study.

All the figures are increases over Summer Term, 1980, with the exception of Radnor, which enrolled seven fewer resident instruction students.

Continuing education credit enrollments also rose with 7,944 students listed this summer, an increase of 1,686 over last year. All campuses with continuing education credit enrollment showed increases over last year.

Total credit enrollments throughout the University, including resident instruction, continuing education and non-resident credit students, numbered 25,394, an increase of 2,215 over last summer.

Health exposition set for next month

Numerous topics of health interest will be examined during Health Expo 81, scheduled for Oct. 5, 6, and 7 in the Hetzel Union Bldg.

The event, co-sponsored by University Health Services and the Undergraduate Student Government, also will feature

exhibits, demonstrations and health screenings.

Faculty and staff members interested in becoming part of the program either as a lecturer, discussion leader or panel organizer to deal with a specific health issue or topic should notify the Health Exposition Office, 234 Ritenour, by letter, or call Robert Wrag, director of the Office of Health Promotion and Education, at 863-0461.

Nominations sought for teaching award

The College of Education is seeking nominations for its annual Outstanding Teaching Award. According to an announcement from the award committee, nominations will be accepted until Oct. 19.

The award, which includes a cash prize, is presented to a College of Education faculty member who has a distinguished record in teaching and advising and who exhibits outstanding performance in developing quality instructional techniques and in inspiring students.

Nominations will be accepted from undergraduate and graduate students, as well as former students, from all of the University's campuses. The recipient will be selected by a committee of faculty members and students.

Criteria used in judging nominees include: excellence in knowledge of the subject taught, clear and interesting communication with students,

Chain letter violations

In view of reports of chain letters being circulated on campus, employees are reminded that use of University time, equipment, supplies, and the interdepartmental mail system for such purposes is in violation of University policies. Violators are subject to disciplinary action.

Persons having information on such violations are urged to report it to Mailing Services at 865-9171.

accessibility as an adviser, ability to adapt instruction for particular classes or students, and credibility as a model of professional competence.

Nomination blanks, a complete list of criteria and a set of procedures may be requested from: The College of Education, Outstanding Teaching Award Committee, 165 Chambers Bldg., University Park, Pa., 16802.

Policy on evaluating revised, retired

(Continued from page 1)

"The processes shall, without exception, include mechanisms whereby faculty of the pertinent unit shall be informed when the review is started, when the review is completed, and that the next highest academic administrative office has been informed of the results of the review."

Under guidelines of the newly-instituted policy, academic administrative offices are to be reviewed at intervals of approximately five years, with no more than 20 percent of the offices being reviewed each year.

The offices of deans and their associate or assistant deans, as well as Commonwealth Campus directors and their assistant or associate directors, may be scheduled for simultaneous or separate reviews. Such five-year reviews, however, are to be conducted in addition to conventional annual evaluations.

President states views on television football contracts issue

(Continued from page 1)

same revenue sharing with NCAA that its current and prospective contracts contain. The only key discussion centers on television property rights of the CFA schools and later rights over cable casting and other electronic outlets. Since most of the major football schools have been meeting fairly regularly as the CFA, it is not surprising that there has developed a move among the schools for a separate contract for televised CFA football games. This is not dissimilar from many other TV contracts that have developed outside the NCAA in many areas of the country during the regular basketball season.

The primary question that is before each of us is whether or not we support a separate CFA television contract. The question is not whether we intend to stay in the NCAA, but whether our property rights on television, cable, casting and like media are going to be protected. I have supported the television plan from the beginning and in particular was pleased to note the provision that each institution during the four-year contract would appear in at least two televised games. This is very important, for there are some institutions in our group that have not

been on television for a number of years and this participation provides a means for strengthening such programs.

I used above the word "divisiveness" because I fear that, as we approach the voting date of September 10, individual presidents might be pushed into pitting one institution against another institution — and in most cases institutions that have strong and traditional educational ties far beyond any athletic ties. For one am sorry that the Big 10 and PAC 10 Presidents, without any prior dialogue on the issues, intimate that those of us supporting the CFA television program are somehow less interested in keeping the proper controls over football and are attempting to disrupt, not unify the system. It is hard to believe that, although two schools may differ as to the wisdom of a particular television arrangement, therefore one is somehow more interested in keeping football in its proper role in a university. I also feel the hints and innuendos from the NCAA about "sanctions," "expulsions," "penalties," etc. are unfortunate — particularly when the NCAA is dealing with a large

number of its strongest members, each of which presumably desires to remain a member.

I write this letter to reinforce my vote of last week and my intention to continue to vote in the affirmative on September 10. Nevertheless, until that vote is cast, I am willing to listen, and I hope to hear possible ways or alternate time-schedules suggested in which this problem can be resolved. Each of us as institutional leaders owe nothing less than to try to understand the views of others and ultimately all work together toward developing a sound intercollegiate athletics program at all major institutions.

Thank you for your attention to this letter from a concerned president.

Sincerely,

John W. Oswald, President

University Park Calendar

FALL TERM 1981



Thursday, Sept. 3

Registration for Fall Term, 8 a.m.-5:30 p.m., IM Bldg.
Continuing Education, registration, noon-8 p.m., Room 101 Kern; English and math placement exams, 6:30 p.m., Keller Bldg.
Tours of Pattee Library, 9 and 11 a.m.; 1 and 3 p.m.
HUB Craft Center registration, noon-5 p.m., Room 312 HUB, through September 17.
Nursing Consultation Center, walk-in clinic for blood pressure screening (free), 1:30-4:30 p.m., Consultation Center. Continues every Thursday afternoon during Fall Term.

Friday, Sept. 4

Registration for Fall Term, 8 a.m.-5:30 p.m., IM Bldg.
Preregistration for Winter Term, Room 112 Shields, through Sept. 28.
Continuing Education, registration, 9 a.m.-5 p.m., Room 101 Kern.
Tours of Pattee Library, 9 and 11 a.m.; 1 and 3 p.m.
Sports: soccer vs. West Virginia Wesleyan, 7:15 p.m.

Saturday, Sept. 5

Sports: field hockey, Lady Lion Invitational Preseason Tournament. Also Sept. 6.

Week of Sept. 7

Monday, Sept. 7

Labor Day recess
Sports: soccer vs. St. Johns, 7:15 p.m.

Tuesday, Sept. 8

Fall Term classes begin, 8 a.m.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
Tours of Pattee Library, 8 and 11 a.m.; 1 and 3 p.m.
Cooperative Art Assoc., print sale, through Sept. 11, Kern Commons.

HUB Craft Center Open House, 7:30-9:30 p.m., Room 312 HUB.
Penn State Internationale Dancers, first meeting of old and new (interested) members, 7 p.m., Room 132 White Bldg. Meetings continue throughout term every Tuesday and Thursday from 7-9 p.m.

Wednesday, Sept. 9

Tours of Pattee Library, 9 and 11 a.m.; 1, 3 and 7 p.m.
CSA Orientation Film, *Carnal Knowledge*, dusk, Fisher Plaza.
Retired Faculty/Staff Club, picnic at Stone Valley, 3:30-8 p.m. Nature walk "Geology of the Region" — Dr. Carl Keener.

Thursday, Sept. 10

Board of Trustees meeting, Faculty Bldg.
Meteorology Seminar, 4 p.m., Walker Bldg. Auditorium. Dr. Sam C. Colbeck, Cold Regions Research and Engineering Laboratory, Hanover, N.H., on "Snow, Ice and Glaciers."
Lecture to open Josef Svoboda exhibit, 8 p.m., 105 Forum. Dr. Jarka Burian, professor of dramatic arts, SUNY/Albany, on Svoboda's work.
Penn State Dames meeting, 7:30 p.m., Room 101 Kern.

Friday, Sept. 11

Board of Trustees meeting, Faculty Bldg.
Commonsplace Theatre, *Fame*, 7 and 9:15 p.m., Room 112 Kern.
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker Bldg. Charles L. Hosler, professor of meteorology and dean, College of Earth and Mineral Sciences, on "Meteorology from the User's Point of View."
Robeson Cultural Center, Rufus Harkey and his Combo — jazz bagpipes, 8 p.m., Schwab Auditorium.
CSA Resource Day, 11:30 a.m., Kern Lobby.
Sports: soccer vs. Loyola (MD), 7:15 p.m.

Saturday, Sept. 12

World Premiere, *The Mafia Company, An Offer You Can't Refuse*, 8 p.m., Eisenhower Auditorium.
France-Cinema, Molinaro, *La Cage aux folles*, 7 and 9 p.m., Room 112 Kern.
Sports: football vs. Cincinnati, 1:30 p.m.

Sunday, Sept. 13

HUB Craft Center classes begin.

Week of Sept. 14

Monday, Sept. 14

France-Cinema, Molinaro, *La Cage aux folles*, 7 and 9 p.m., Room 112 Kern.
English Colloquium, 8 p.m., Room 101 Kern.
Jonathan D. Culler, professor of English and comparative literature, Cornell, on "The Reader in Contemporary Criticism."
Nursing Consultation Center, "Families with Mental Health Concerns" support group, 7-8:30 p.m., Consultation Center. Continues each Monday during the term.

Wednesday, Sept. 16

Commons Concert, Buffalo Chipkickers, noon, Kern Lobby.
Nursing Consultation Center, "Coping with Multiple Sclerosis," 3-4:30 p.m., Consultation Center.
Alard String Quartet Concert, 8 p.m., Music Bldg. Recital Hall.
Sports: baseball vs. Juniata, 3 p.m.; soccer vs. West Chester, 7:15 p.m.

Thursday, Sept. 17

Late registration deadline.
Add deadline.
Graduate Commons Plant Sale, 10 a.m., Kern Lobby, through Sept. 18.

Friday, Sept. 18

Commonsplace Theatre, *Ordinary People*, 7 and 9 p.m., Room 112 Kern.
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker Bldg. Pierce Lewis, professor of geography, on "Images of the American Landscape: Art as a Reflection of National Personality."
Sports: women's volleyball vs. Georgetown, 8 p.m.

Saturday, Sept. 19

France-Cinema, Beresford, *Breaker Morant*, 7 and 9 p.m., Room 112 Kern.
Sports: women's volleyball, Penn State Invitational; women's tennis vs. Syracuse, 10 a.m.; men's cross country vs. Alumni, 10:30 a.m.; women's cross country, Lady Lion Invitational, 11 a.m.

Sunday, Sept. 20

Commonsplace Theatre, *Ordinary People*, 7 and 9 p.m., Room 112 Kern.
Sports: women's tennis vs. Colgate, 10 a.m.; baseball vs. Mansfield (OH), 1 p.m.

Week of Sept. 21

Monday, Sept. 21

Deadline for November graduates to pay thesis fee at Bursar's Office and to activate diploma cards in Records Office.
Deadline for Winter and Spring term 1982 IAHS research fellowship applications, 5 p.m. Bilsing Cottage.

France-Cinema, Beresford, *Breaker Morant*, 7 and 9 p.m., Room 112 Kern.

Tuesday, Sept. 22

Artist Series, *The Bullard String Quartet*, 8:30 p.m., Schwab Auditorium.
Sports: soccer vs. Lock Haven, 3 p.m.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Wednesday, Sept. 23

Commons Concert, Stan Shepherd, noon, Kern Lobby.
James Kollas Memorial Lecture, 2:30 p.m., Room 121 Noll Lab. Albert B. Craig, Jr., M.D., professor of physiology, University of Rochester School of Medicine, on "World's Records: What Do They Tell Us?"
Nursing Consultation Center, "Coping with Multiple Sclerosis," 3-4:30 p.m., Consultation Center.
Artist Series, Mark Medoff, *Children of a Lesser God*, 8:30 p.m., Eisenhower Auditorium.
Sports: baseball vs. Lock Haven, 3 p.m.

Thursday, Sept. 24

Pass-Fall.
Fixed date for meetings involving Commonwealth Campus faculty.
Sports: field hockey vs. Lock Haven, 3:30 p.m.

Friday, Sept. 25

Pass-Fall.
Fixed date for meetings involving Commonwealth Campus faculty.
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker Bldg. John L. Frantz, associate professor of American history, on "Religion in the Middle Colonies. Model for a Nation."
Commonsplace Theatre, *Stunt Man*, 7 and 9 p.m., Room 112 Kern.
Sports: soccer vs. West Virginia, 7:15 p.m.

Saturday, Sept. 26

Fixed date for meetings involving Commonwealth Campus faculty.
France-Cinema, Bunuel, *The Discreet Charm of the Bourgeoisie*, 7 and 9 p.m., Room 112 Kern.
Sports: field hockey vs. Connecticut, 1 p.m.

Sunday, Sept. 27

Commonsplace Theatre, *Stunt Man*, 7 and 9 p.m., Room 112 Kern.

Week of Sept. 28

Monday, Sept. 28

Drop deadline.
Preregistration deadline for Winter Term.
Pass-Fall.
Course repeat deadline.
France-Cinema, Bunuel, *The Discreet Charm of the Bourgeoisie*, 7 and 9 p.m., Room 112 Kern.

Wednesday, Sept. 30

Commons Concert, Allegheny String Band, noon, Kern Lobby.
Robeson Cultural Center, movie, *Paul Robeson—Tribute to an Artist*, 7:30 p.m., Walnut Bldg.
Free admission.
Sports: women's tennis vs. Lock Haven, 4 p.m.

Thursday, Oct. 1

Sports: baseball vs. Lock Haven, 3 p.m.; field hockey vs. Delaware, 3:30 p.m.

Friday, Oct. 2

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker Bldg. Barbara Miller, Acquisitions Librarian, Schlow Memorial Library, on "Who Reads What: Book Selection and Readership in a Small Town Library."
Commonsplace Theatre, *Atlantic City*, 7 and 9 p.m., Room 112 Kern.
Artist Series, Carlos Montoya, *Guitarist*, 8:30 p.m., Eisenhower Auditorium.
Sports: soccer vs. Fordham, 7:15 p.m.; JV football vs. Rutgers, 1:30 p.m.

Saturday, Oct. 3

France-Cinema, Visconti, *Death in Venice*, 7 and 9 p.m., Room 112 Kern.
Sports: football vs. Temple (All-University Day), 1:30 p.m.; men's cross country, Penn State Open, 11 a.m.

Sunday, Oct. 4

Commonsplace Theatre, *Atlantic City*, 7 and 9 p.m., Room 112 Kern.
Sports: baseball vs. Bloomsburg (DH), 1 p.m.

Week of Oct. 5

Monday, Oct. 5

France-Cinema, Visconti, *Death in Venice*, 7 and 9 p.m., Room 112 Kern.
Interdisciplinary Symposium on Value, 8 p.m., Room 101 Kern. Christopher Johnstone, Delaware Campus, on "Ethics, Communication, and the Pursuit of Wisdom."
June Miller, organ recital, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, Oct. 6
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
Sports: field hockey vs. Maryland, 3:30 p.m.

Wednesday, Oct. 7
Robeson Cultural Center, "Careers Unlimited"—careers in business and industry, 10 a.m.-4 p.m., Walnut Bldg.
Sports: baseball vs. Juniata, 3 p.m.

Thursday, Oct. 8
Robeson Cultural Center, "Careers Unlimited"—careers in business and industry, 10 a.m.-4 p.m., Walnut Bldg.
Penn State Dames meeting, 7:30 p.m., Room 101 Kern.

Friday, Oct. 9
HUB Craft Center registration for second session classes, noon-5 p.m., Room 312 HUB, through Oct. 22.
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker Bldg. Rob Hasswell, professor of geography, Louisiana State University, on "The Making of Historic South African Townscapes."
Artists Series, Phyllis Newman, *The Madonna of Central Park* Bldg, 8:30 p.m., Schwab Auditorium.
Sports: soccer vs. Maryland, 7:15 p.m.; JV football vs. Millford Academy, 2 p.m.

Saturday, Oct. 10
Sports: football vs. Boston College (Homecoming), 1:30 p.m.

Sunday, Oct. 11
Indoor Sports Complex, open house, 4-6 p.m.
Sports: men's lacrosse vs. Alumni, 11 a.m.

Week of Oct. 12

Tuesday, Oct. 13
HUB Craft Center open house, 7:30-9:30 p.m., Room 312 HUB.
IAHS, David Sokol, art historian, University of Illinois and curator, Terra Museum of American Art, Evanston, 8 p.m., Room 230 Arts Bldg. Illustrated talk on American painters in Germany in the 19th century.

Wednesday, Oct. 14
Commons Concert, Basical Quality String Band, noon, Kern Lobby.
Robeson Cultural Center, movie, *Prand Velicu*, starring Paul Robeson, 7:30 p.m., Walnut Bldg. Free admission.
Un-Common Theatre (student preview), 8 p.m., Room 112 Kern.

Thursday, Oct. 15
Fixed date for meetings involving Commonwealth Campus faculty.
Artist Series, Shinichi Suzuki's Talent Education Tour for Young Audiences, 11 a.m., Eisenhower Auditorium.
Artist Series, Suzuki Strings, 7:30 p.m., Schwab Auditorium.
Un-Common Theatre Performance, 8 p.m., Room 112 Kern, through Oct. 18.

Friday, Oct. 16
Fixed date for meetings involving Commonwealth Campus faculty.
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker Bldg. Edward D. Eddy, provost, on "Inside the Black Box: Penn State Management."

Saturday, Oct. 17
Fixed date for meetings involving Commonwealth Campus faculty.
Sports: men's cross country vs. Arkansas and Providence, 11 a.m.; field hockey vs. Ohio State, 1 p.m.

Sunday, Oct. 18
HUB Craft Center second session classes begin.
Sports: field hockey vs. James Madison, 1 p.m.; men's lacrosse, Penn State Invitational.

Week of Oct. 19

Monday, Oct. 19
France-Cinema, Robert, *The Tall Blond Man With One Black Shoe*, 7 and 9 p.m., Room 112 Kern.

Tuesday, Oct. 20
Sports: soccer vs. Pittsburgh, 7:15 p.m.

Wednesday, Oct. 21
Commons Concert, "Duet," noon, Kern Lobby.
Seminar/Discussion, 3:30-5:30 p.m., 124 Sparks Bldg. Ernesto Grassi, emeritus professor, University of Munich, and director of the Center of Humanistic Studies, on "Italian Humanism and Hegderger's Thesis of the End of Philosophy." Also Oct. 22, 26 and 28.
Musica da Camera, 8 p.m., Music Bldg. Recital Hall.

Thursday, Oct. 22
Robeson Cultural Center, Music of Scott Joplin, 8 p.m., Schwab Auditorium. Free admission.
Sports: field hockey vs. Cortland State, 3:30 p.m.

Friday, Oct. 23
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker Bldg. Dennis Elper, senior planner, Centre Regional Planning Commission, on "Planning in the Centre Region: Coronado Presses on toward Eldorado."
Commonsplace Theatre, *Brubaker*, 7 and 9 p.m., Room 112 Kern.
Sports: JV football vs. Fork Union Military Academy, 2 p.m.

Saturday, Oct. 24
France-Cinema, Resnais, *Mou Oncle d'Amérique*, 7 and 9 p.m., Room 112 Kern.
Artist Series, Chamber Music Society of Lincoln Center, 8:30 p.m., Eisenhower Auditorium.
Sports: football vs. West Virginia, 1:30 p.m.

Sunday, Oct. 25
Commonsplace Theatre, *Brubaker*, 7 and 9 p.m., Room 112 Kern.
Sports: field hockey vs. Virginia, noon

Week of Oct. 26

Monday, Oct. 26
First day to sign Winter Term NDLS and University Long Term Loans, Room 108 Shields Bldg.
France-Cinema, Resnais, *Mou Oncle d'Amérique*, 7 and 9 p.m., Room 112 Kern.
Deadline for November graduates to deliver theses to Graduate School and for department to certify completion of required papers for November graduates.

Tuesday, Oct. 27
William Meredith, prize-winning poet, 8 p.m., HUB Gallery. He will read from and talk about his poetry.

Wednesday, Oct. 28
Commons Concert, Richard Sleghe, noon, Kern Lobby.
Robeson Cultural Center, movie, *King Solomon's Mines*, starring Paul Robeson, 7:30 p.m., Walnut Bldg. Free admission.
Chamber Choir, 8 p.m., Music Bldg. Recital Hall.

Friday, Oct. 30
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker Bldg. Lakshman Yapa, associate professor of geography, on "The Vulnerability of American Agriculture and What Some People Are Doing About It."
Commonsplace Theatre, *Love and Death*, 7 and 9 p.m., Room 112 Kern.
Artist Series, Gregory Allen, pianist, 8:30 p.m., Schwab Auditorium.
Sports: soccer vs. Fairleigh Dickinson, 7:15 p.m.; women's volleyball, Penn State Classic.

Saturday, Oct. 31
GSA, Halloween Event, 6:30 p.m., Rooms 101, 102, 104 and Lobby, Kern Bldg.
France-Cinema, Bergman, *Wolf Streambrunes*, 7 and 9 p.m., Room 112 Kern.

Sunday, Nov. 1
Commonsplace Theatre, *Love and Death*, 7 and 9 p.m., Room 112 Kern.

Week of Nov. 2

Monday, Nov. 2
Late drop deadline.
Last day to sign Fall Term NDLS and University Long Term Loans, Room 108 Shields.
France-Cinema, Bergman, *Wolf Streambrunes*, 7 and 9 p.m., Room 112 Kern.

Wednesday, Nov. 4
Commons Concert, Chris Lee, noon, Kern Lobby.
Aldo String Quartet, 8 p.m., Music Bldg. Recital Hall.

Thursday, Nov. 5
1981 Taylor Lecture in Materials Science, 4 p.m., Room 26 Materials Sciences Bldg. Dr. Irving Wender, research professor, University of Pittsburgh, on "Our Energy Outlook through 2000."

Friday, November 6
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker Bldg. Hans Panofsky, Evan Pugh professor of atmospheric science, on "The Ozone Layer."
1981 Taylor Lecture in Materials Science, 4 p.m., Room 112 Kern. Dr. Irving Wender, research professor, University of Pittsburgh, on "Oil from Coal."
Commonsplace Theatre, *Apocalypse Now*, 7 and 9:30 p.m., Room 112 Kern.

Artist Series, Pheobolus Dance Theatre, 8:30 p.m., Eisenhower Auditorium.
Sports: JV football vs. Indiana (PA), 2 p.m.; soccer vs. Connecticut, 7:15 p.m.; men's swimming, Penn State Invitational, women's swimming, Penn State Invitational, women's fencing, Penn State Open, 9 a.m.

Saturday, Nov. 7
France-Cinema, Truffaut, *Bed and Board*, 7 and 9 p.m., Room 112 Kern.
Sports: men's swimming, Penn State Invitational, women's swimming, Penn State Invitational.

Sunday, Nov. 8
Commonsplace Theatre, *Apocalypse Now*, 7 and 9:30 p.m., Room 112 Kern.
Sports: women's cross country, NCAA Regional Qualifier, 1 p.m.

Week of Nov. 9

Monday, Nov. 9
France-Cinema, Truffaut, *Bed and Board*, 7 and 9 p.m., Room 112 Kern.

Tuesday, Nov. 10
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Wednesday, Nov. 11
Robeson Cultural Center, movie, *Sanders of the River*, starring Paul Robeson, 7:30 p.m., Walnut Bldg. Free admission.
Leonard Feldman, concert, 8 p.m., Music Bldg. Recital Hall.

Thursday, Nov. 12
Penn State Dames meeting, 7:30 p.m., Room 101 Kern.

Friday, Nov. 13
Geography Dept. Coffee Hour, 3-5 p.m., Room 319 Walker Bldg. Ronald Eytan, associate professor of geography, on "City Etchings: The Remote Sensing of Urban Snow Scenes."
Commonsplace Theatre, *Kramer vs. Kramer*, 7 and 9 p.m., Room 112 Kern.
"Beat Alabama" Pep Rally, 8:45 p.m., Rec Hall.

Saturday, Nov. 14
Deadline to submit petition to Records Office to graduate in absentia in November.
France-Cinema, Visconti, *The Innocent*, 7 and 9 p.m., Room 112 Kern.
Sports: football vs. Alabama, 1 p.m.; women's volleyball vs. Pittsburgh, 8 p.m.

Sunday, Nov. 15
Commonsplace Theatre, *Kramer vs. Kramer*, 7 and 9 p.m., Room 112 Kern.

Week of Nov. 16

Monday, Nov. 16
Fall Term classes end, 9:55 p.m.
Last day to sign Fall Term Emergency Loans, Room 108 Shields.
France-Cinema, Visconti, *The Innocent*, 7 and 9 p.m., Room 112 Kern.
Sports: women's basketball vs. Mt. St. Marys, 8 p.m.

Tuesday, Nov. 17
Final examinations, through Nov. 20.

Wednesday, Nov. 18
Steven Smith, recital, 8 p.m., Music Bldg. Recital Hall.

Thursday, Nov. 19
Board of Trustees meeting, Faculty Bldg.

Friday, Nov. 20
Board of Trustees meeting, Faculty Bldg.
Sports: men's basketball vs. Athletics in Action, 8:10 p.m.

Saturday, Nov. 21
Sports: football vs. Notre Dame, 1 p.m.

Week of Nov. 23

Monday, Nov. 23
Fixed date for meetings involving Commonwealth Campus faculty.

Tuesday, Nov. 24
Fixed date for meetings involving Commonwealth Campus faculty.

Thursday, Nov. 26
Thanksgiving Day, University offices closed

Saturday, Nov. 28
Fall Term Commencement, 10:30 a.m., Rec Hall.

Sports: men's basketball vs. Bloomsburg, 8:10 p.m.

Exhibits

Kern Gallery
Gallery hours: Monday through Saturday, 8 a.m.-11 p.m.; Sunday, noon-11 p.m.
Slavic Art Exhibition, through Sept. 23.
Dorothy Behringer, eggery, through Sept. 24.
Jim Dupree, paintings, through Oct. 10.
Print Exhibition and Sale, Sept. 8-11.
Janis Mershon, jewelry, Sept. 14-Oct. 2.
Linda Newby, feather jewelry, Sept. 24-Oct. 15.
Ziggy Coyle, clay, Sept. 25-Oct. 15.
Jan Brennis, paintings, Oct. 3-14.
Jack Troy, ceramics, Oct. 18-Nov. 20.
Shirley Sturtz, drawings and watercolor, Oct. 18-Nov. 20.
Bill Davis, drawings and watercolor, Oct. 18-Nov. 20.

Museum of Art

Museum hours: 11 a.m.-4:30 p.m. Closed Mondays. Museum Tours, Sundays, 1:30 p.m.
Hemline, Neckline, Streamline: Women's Fashions 1890-1940 from the collection of Beverly Brisk, through Oct. 20.
African Sculpture from the Museum's collection, through Sept. 20.
An Overview of the Permanent Collection, through Sept. 27.
Oriental Works from the Museum's Collection, Sept. 27 through Nov. 29.
Danish Ceramic Design, Oct. 18 through January 24.

Fatlee Library

East Corridor Gallery
A Commonwealth Campus: Yesterday, Today, and Tomorrow, Sept. 11-Oct. 9.
Bertholt Brocht: Photographs from the collection of the East German Government, Oct. 9-29.
Ray Wilkins, recent paintings, Oct. 29-Nov. 17.
Richard Burke and Chuck Kullman, photographs, Nov. 17-Dec. 8.
Lending Service Lobby
Naomi Gallagher, paintings, through Sept. 18.
Travel in Greece: Ink Wash Drawings by Wendy Smeiginger, Sept. 18-Oct. 8.
Mary Pat Ford, studio photographs, Oct. 9-Oct. 30.
Cheryl King, drawings and paintings, Oct. 30-Nov. 17.
Todd Whitehill, paintings, Nov. 17-Dec. 8.
Second Floor, East Patten
Bess Conglewski, relief sculpture, Sept. 16-Oct. 2.
Sandy Sandmeier, recent work in batik, Oct. 2-23.
Seventy-one Percent of the World as Interpreted through Maps, Poetry, and Art, Oct. 23-Nov. 13.
Mary McGuire, pottery, Nov. 13-Dec. 11.
Main Lobby
Mary McGuire, pottery, Nov. 13-Dec. 11.
Rare Books Room
Exhibition of contributions by new Fellows, Institute for the Arts and Humanistic Studies, Sept. 9-15.
Highlights from the Allison-Shelley Collection, Sept. 11-30.
The Academy of St. Luke, Rome: Architectural Treatises and Perspective Books, Nov. 8-16.

Visual Arts Bldg. Zoller Gallery
Gallery Hours: 9 a.m.-5 p.m., Monday through Friday, Saturdays and Sundays, noon-5 p.m.
Josef Svoboda, work in theatre design, Sept. 8-26.
School of Visual Arts Faculty exhibition, Sept. 28-Oct. 14.
Leonard Lehrer, print exhibition, Oct. 16-29.
Duane Michals, photo exhibition, Nov. 1-20.

Penn Staters

Dr. Robert A. Bernheim, professor of chemistry, has been appointed to the Board of Editors of *The Journal of Chemical Physics*. He also will serve as a member of the Advisory Board of the Regional Laser Laboratory in Philadelphia.

Dr. Robert O. Blanchard, director of the School of Journalism, has been elected president of the American Association of Schools and Departments of Journalism. It is made up of deans, directors and department heads of the 81 accredited journalism and mass communication programs in colleges and universities in the United States.

Dr. Blanchard also was named to the executive committee of the Association for Education in Journalism, the organization of university and college faculty in journalism and mass communications.

Dr. Paul A. Games, professor of educational psychology, presented a talk on the ANOVA series computer programs to the Japanese National Institute of Vocational Research in Tokyo. The Institute is implementing the programs on

their FACOM computer. Dr. Games also gave two talks at Omiya City, Japan.

Dr. Thomas A. Hale, associate professor of French and comparative literature, has been appointed by the Council for International Exchange of Scholars to a three-year term on the Advisory Screening Committee for senior Fulbright awards in African literature.

Dr. Warren W. Hassler, professor of history, has been awarded the "Outstanding Civilian Service Medal" by the United States Military Academy for his work as visiting professor of military history at West Point during the 1979-80 academic year.

"Professor Hassler made a substantial contribution to academic excellence at the Military Academy by actively participating in the instruction of cadets, stimulating the faculty and providing wise counsel to the Department of History and other agencies and activities at the Military Academy," noted Lt. General A. J. Goodpaster, academy superintendent. "His commitment to excellence in

teaching and his high personal standards of scholarship have made a lasting impression on the Department of History, the United States Corps of Cadets and the United States Military Academy."

Dr. David A. Long, associate professor of civil engineering, has been named president elect of the Water Works Operators' Association of Pennsylvania. The Association is concerned with the advancement and dissemination of the knowledge of water works and exchange of information of design, construction, operation, and management of water works.

Dr. Arnulf Muan, professor of mineral sciences and associate dean for research in the College of Earth and Mineral Sciences, was one of four world authorities on applied mineralogy to give plenary lectures at ICAM 81, International Conference on Applied Mineralogy in the Mineral Industry, at Johannesburg, South Africa.

Title of his talk was "Equilibria in Metal and Oxide Systems at High Temperatures." While in South Africa, he also lectured at the National Institute for Metallurgy and Rand Afrikaans University, both in Johannesburg, and attended an international platinum symposium in Pretoria.



Forrest J. Remick

Dr. Forrest J. Remick, professor of nuclear engineering, has been appointed director of the Office of Policy Evaluation at the Nuclear Regulatory Commission. In his new post, he will report to all five NRC commissioners, evaluating NRC policy directions.

Dr. Remick, who is assistant vice president for research and graduate studies and director of Intercollege Research Programs, joins the NRC under the Intergovernmental Personnel Act. That act authorizes temporary exchange of personnel among federal executive agencies and states, local governments and institutions of higher education, as a means of sharing expertise.

A member of the Governor's Energy Council, Dr. Remick formerly was chief of training for the International Atomic Energy Agency's Department of Technical Assistance. He has been a consultant to numerous federal agencies, laboratories and industries on energy-related research and policy.

During Dr. Remick's absence, **Dr. Harry D. Zook** will serve as acting director of the Intercollege Research Program. Dr. Zook is a former assistant vice president for research and former director of the IRP.

Promotions

Faculty

Stephen A. Wodbury to assistant professor of economics.

Staff Exempt

Holly K. Blalock to coordinator, Child Life Program at Hershey.

John J. Golesh to coordinator, Patient Monitoring Services at Hershey.

Samuel T. Miller to assistant to the dean of student affairs at Altoona.

Sheila K. Moore to programmer in Management Services.

W. Glenn Mulberger to supervisor of Family Housing Apartments in Housing and Food Services.

Kathleen Nagy to critical care staff development instructor at Hershey.

Lynn M. Schaub to resident associate manager, graduate student in housing in Housing and Food Services.

Virginia K. Shorts to nursing supervisor at Hershey.

Staff Non-Exempt

Nancy J. Cake to supervisor, ECU at Hershey.

Patricia S. Callahan to library assistant at

Shenango Valley.

Marianne R. Devlin to senior staff nurse at Hershey.

Vicki L. McNamara to research technician at Hershey.

Cheryl Norman to administrative aide in Health, Physical Education and Recreation.

Ruth Ann Pettit to auditing assistant in Controller's Office.

Susan K. Yagel to research technician at Hershey.

Clerical

Pamela M. Aikey to secretary A in Art Services.

Gladys R. Brown to technical secretary C at Behrend.

Patricia A. Gering to senior manuscript typist at Hershey.

Donna Jean Greendonor to correspondence secretary B in Health, Physical Education and Recreation.

Norma J. Hartner to technical secretary C at Behrend.

Barbara A. Hendershot to records clerk in Liberal Arts.

Georgeanna Hillard to secretary A in Liberal Arts.

Sheila L. Ishler to clerk stenographer A in Engineering.

Dee L. Kunst to secretary C in Libraries.

Valerie L. Lanager to secretary C in Human Development.

Betty L. Layton to conference secretary in Continuing Education.

Jeffrey Lucas to auxiliary machine operator in Management Services.

Anne A. Macomber to budget clerk at Hershey.

Barbara Merritt to secretary C in President's Office.

Lori Shaffer to secretary C in Planning and Budget.

Patricia A. Snyder to secretary B in Engineering.

Beverly A. Watson to accounting clerk in Controller's Office.

Tammy D. Yarnell to clerk stenographer A in Engineering.

Technical Service

Beverly A. Dunkle to patient service aide at Hershey.

Floyd A. Maines to mechanic, experimental and maintenance in Engineering.

John A. Morone to laboratory worker in Agriculture.

Carroll L. Olinger to central processing aide at Hershey.



Donald J. Tressler

Federal Reserve Bank of Philadelphia.

Ravindra N. Sharma as head librarian at Beaver. B.A., M.A., U. of Delhi; M.L.S., North Texas State U.; Ph.D., State U. of New York-Buffalo. Reference librarian, Colgate U.

Sтивен H. Sherman as assistant professor of surgery at Hershey. B.A., Boston U.; M.D., U. of Vermont.

Charles C. Whitney as assistant professor of English at Worthington Scranton. B.A., San Francisco S.C., Ph.D., City U. Graduate School. Adjunct lecturer, Queens College.

William Williams as associate professor of agriculture and extension education at University Park. B.S., M.S., D. Ed., PSU. President, MFS Consultants, Millburg, Pa.

Lloyd D. Worley as assistant professor of English at DuBois. B.A., M.A., U. of Southwestern Louisiana; Ph.D., Southern Illinois U. Visiting assistant professor, Southern Illinois U.

Appointments

Alfred A. Actor as associate professor of physics at Allentown. B.S., Stanford U.; M.S., Ph.D., UCLA.

Stanley J. Becker as assistant professor of mechanical engineering at Berks. B.M.E., Cooper Union School of Engineering; M.S., Polytechnic Institute of Brooklyn; Ph.D., U. of Pittsburgh.

Bowling team needed

The University Men's Bowling League is seeking another team for the upcoming league season. The league bowls at 6:30 p.m. Wednesdays at the University Lanes. Employees interested in entering a team should contact Ralph Hosterman, league secretary, at 237-7980.

New network number

Effective immediately, the Shenango Valley Campus has a new network telephone number. The new number is 641-5155.

Eric W. Bond as assistant professor of economics at University Park. B.S., Lehigh U.; M.A., Ph.D., U. of Rochester. Assistant professor, Temple U.

Jeffrey K. Harris as assistant professor of surgery at Hershey. A.B., Colgate U.; M.D., U. of Colorado. Fellowship, Park Ridge Hospital, Rochester, N.Y.

Roberta Kevelson as assistant professor of philosophy at Berks. B.S., Bryant College; B.A., M.A., Goddard College; Ph.D., Brown U.

Daniel T. Lichter as assistant professor of sociology at University Park. B.S., South Dakota State U.; M.S., Iowa State U.; Ph.D., U. of Wisconsin-Madison. Research assistant, U. of Wisconsin-Madison.

Thomas H. Oswald as associate professor of biology at McKeessport. B.A., M.S., Ph.D., U. of Missouri.

Robert J. Rossana as assistant professor of economics at University Park. B.S., St. Joseph's U.; M.A., U. of Delaware; Ph.D., Johns Hopkins U. Senior economist,

Carpooler

Pam Kifer would like to share driving from Huntingdon. She works from 8 a.m. to 5 p.m. in Steidle Building. Call either 863-1776 or 627-3958.

Retirements



Roger B. Saylor

Dr. Roger B. Saylor, professor of economics and statistics at the Capital Campus and founder of the Saylor scholastic football rating system, will retire Sept. 5 after 34 years of service with the University. He will be conferred the rank of professor emeritus.

Dr. Saylor joined the Penn State faculty in 1947 as assistant professor of economics. He was named associate professor of economics in 1951 and professor of business statistics in 1954.

In 1967, Dr. Saylor was appointed as the first head of the new business administration program at the Capital Campus. He served in that capacity until 1972 before returning to full-time teaching and research.

Most of Dr. Saylor's research has centered on the Pennsylvania economy. He is the author of numerous monographs concerning economic and business conditions in the state.

Dr. Saylor is well known throughout the state for his Saylor Ratings, a scholastic football rating system he developed in the mid-50's, which is widely in use today throughout the Commonwealth. From his statistical ratings work have come four books: *Scholastic Football in South Central Pennsylvania, 1887-1978*; *Scholastic Football in Southeastern Pennsylvania, 1887-1979*; *Scholastic Football in the South Antietam and Middle Susquehanna Valley Area, 1893-1979*,

and *Inter-scholastic Football in Pennsylvania's Allegheny Mountains, 1898-1980*.

A native of Reading, Dr. Saylor received his B.S. in mathematics from Lebanon Valley College. He received his master's and his doctor's degrees, both in economics, from the University of Illinois.

He and his wife, the former Jean M. Stoffer, plan to divide their time between the Harrisburg area and Florida. He plans to continue producing his Saylor Ratings of scholastic football teams and research in scholastic football history.

He is the father of two children: Richard, now of Winter Haven, Fla., and Barbara of Chadds Ford.

Charles Smitley, research associate-technical services at the Applied Research Laboratory, retired July 1. He transferred from the Harvard Underwater Sound Laboratory to the ARL in 1945.

Before retiring, Mr. Smitley's tasks included working as a group leader in charge of the Electronic Construction and Supply Transducer Construction and the Instrument Repairs and Printed Circuit Facility. He assisted in projects involving the design of electronic assemblies, training engineering aides in electronic construction, advising and training minority undergraduates, and designing and constructing special alarm and control systems.

Over the years, Mr. Smitley became known for his excellent leadership qualities, pleasant nature, ingenuity and expert capabilities with hand-tools.

Dorothy Tindal, technical secretary at the Applied Research Laboratory, retired July 1.

She began her career at ARL in 1959 and ended it with a retirement party she said she received the secretarial chair she used for many years. One of her most fulfilling tasks, she says, was helping countless graduate students with their theses.

Mrs. Tindal has six children and plans to spend much of her retirement visiting with them and her grandchildren. She also plans to spend time gardening and doing needlework.

Adjusting to retirement will be no problem for **Evelyn R. Dry**. After almost 21 years of University service and a total of about 38 years in the job market, she's

'ready and really interested' in taking on the position of "domesticated housewife."

With her new "retirement job," Mrs. Dry is "doing everything there is to do" — crocheting, working in her garden, camping and boating. It also gives her a chance to use that newly acquired spare time to go to flea markets, garage sales and auctions where she can look for the antique dishes she collects.

Evening, an accounting clerk for Findlay Dining Hall, worked for Penn State since 1960. She began as a clerk receptionist in Housing and during the late 1960's she transferred to her current position where she was involved with employee payroll and student meal tickets. "I always felt my job was very interesting," notes Mrs. Dry. "That's why you stay with it for 13 years."

One of the things Mrs. Dry enjoyed most about her job was the student contact. "I really enjoyed the students who worked in the dining hall." Many of the students have kept in touch with Mrs. Dry after they've graduated and some who are still in the area are often dinner guests at her home.

Mrs. Dry's husband, James, retired as a console operator in ARL last year. They have three children — Richard, Sandra and Cynthia — and seven grandchildren.

"If there's one thing that really stood out about **Isabell Frantz**," notes Diane

Sublisky, assistant food supervisor for Waring Hall, "it was her excellent relationship with the students. Most of all they knew her by name. . . . They really loved her!"

Mrs. Frantz's presence will be missed not only by the students at Waring Dining Hall, but by co-workers and staff as well. She recently retired after 32 years of service with the University.

Isabell Frantz began her Penn State career as a food service worker at Nittany Halls in 1949 and transferred to her most recent position as a food service worker at Waring Dining Hall in 1969.

Mrs. Frantz and her husband, John, a retired University construction worker, reside on a farm in Port Matilda. They have one son, Harold, one daughter, Lucretia, six grandchildren and five great grandchildren.

Mary E. Kettering, lab attendant at the Hershey Medical Center since Oct. 10, 1970, retired Aug. 22.

Mary Ellen Smith, food service worker in Housing and Food Services, retired Aug. 21 after serving with the University since March 28, 1968.

John J. Hunt, maintenance worker, utility, in the Office of Physical Plant, retired on Aug. 15. He had been a University employee since April 5, 1971.

Staff Vacancies

The following vacancies for positions classified as staff except or staff associate have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (exterior), 865-1387. Applications for these staff vacancies will be accepted until 5 p.m. Sept. 10, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam area veteran.

PROGRAM ASSISTANT, COMMONWEALTH EDUCATIONAL SYSTEM, UNIVERSITY PARK — Task assigned to the Conference Center in planning, organizing, promoting, implementing and administering programs at University Park, responsible for supervising office procedures, exercising fiscal controls and maintaining related records, some evening and weekend work required, summer vacation generally not possible. The minimum qualification requirements are a bachelor's degree plus one to two years' related experience. THIS IS A FIXED TERM 1 POSITION.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS, COMMONWEALTH EDUCATIONAL SYSTEM, WILKES BARRE — Coordinate student orientation activities, cultural and social events within the purview of the Student Affairs Office of the Wilkes-Barre Campus. Assist in the planning and coordination of Student Affairs programs. Services to include secondary school relations and career development and placement. Master's degree or equivalent in counseling or in student personnel related field plus at least six months of effective experience in a student personnel activity; or bachelor's degree with one to two years of related experience.

CHILD LIFE SPECIALIST, COLLEGE OF MEDICINE, HERSHEY — Responsible to the coordinator, Child Life Program, for assisting in providing therapeutic, education and recreational activities for pediatric inpatients and clinic patients. Bachelor's degree in child development, elementary education or a related field and one to two years effective experience.

BOOKSTORE MANAGER, PENN STATE BOOKSTORE, YORK CAMPUS — Responsible to the director, Penn State Bookstore-System, for various functions within the York Campus Bookstore, including purchasing, financial records, and retail operation. Determine the quantity of textbooks, associated retail materials, supply items and equipment items for each student registration period and assure that necessary items are available at the proper time. Responsible for controlling the preparation of report of cash receipts and periodic financial reports. Approve advances for payment. Supervise one to two part-time employees. High school education plus one to two years of retail selling experience. Knowledge of retailing principles and experience essential. Management experience preferred.

ASSISTANT WRITER/EDITOR, COMMONWEALTH EDUCATIONAL SYSTEM, UNIVERSITY PARK — Responsible for editing and writing duties required in the production of written

visual or audio instructional material. Requires extensive editing and writing skills and one to two years of effective experience. Bachelor's degree in English or journalism preferred. THIS IS A FIXED TERM 1 POSITION FUNDED THROUGH JULY 1, 1982.

ASSISTANT BUDGET PLANNING ANALYST, OFFICE OF PLANNING AND BUDGET, UNIVERSITY PARK — Assist in preparation of the University's annual appropriation and capital program. Conduct cost analysis, develop and analyze and development of projections of cost and other resource implications of proposed academic or support programs and changes in programs. Assist in preparation of comparative and historical analyses of appropriate indicator data in support of the University's annual five-year planning and budget process. Bachelor's degree or equivalent in business or public administration, accounting, economics or related field plus one to two years of effective experience is required.

JANITOR FOREMAN, OFFICE OF PHYSICAL PLANT, UNIVERSITY PARK — Responsible for the coordination of activities and the first line supervision of assigned employees to accomplish janitorial cleaning, general maintenance, building move activities, and other assignments. Responsible for the quantity and quality of work performed by assigned employees and for the security of buildings and other assigned work areas. High school education or equivalent in experience and training required, plus one to four years of effective experience. Must have supervisory experience or other demonstrated leadership ability. Shift: 5 p.m. to 1:30 a.m. or 11 p.m. to 7:30 a.m.

BUDGET PLANNING ANALYST, OFFICE OF PLANNING AND BUDGET, UNIVERSITY PARK — Conduct assigned research for and assist in the preparation of data analyses, and position papers, review and analyze program budget planning (PBP) submission in preparation for publishing the annual University-wide PBP analyses, prepare comparative and historical analyses of appropriate indicator data in support of the University's annual five-year planning and budget process; assist budget administrators and their staff to interpret and explain procedures, forms and formal definitions, and other requirements for the annual preparation and submission of the program budget planning and related reports. Bachelor's degree or equivalent in business or public administration, accounting, economics or related field and two to three years of effective experience are required. A master's degree or equivalent in any of the above fields may be substituted for one year of effective experience.

FIELD SUPERVISOR, DHIA, COLLEGE OF AGRICULTURE, UNIVERSITY PARK — Responsible to the dean associated for the training and data reporting capacity of the Dairy Herd Improvement Association (DHIA) supervisor. Conduct field training and monitor the work of DHIA supervisors; instruct new supervisors in methods of weighing, and sampling milk; train collection procedures on feed, prices, breeding, etc. Check the accuracy of the scales used for weighing and sampling milk, make corrections to incorrectly reported data. Provide interpretation of DHIA rules and regulations to supervisors and farmers. Provide advice and counsel to DHIA local directors on the conduct of their program; report on supervisor's performance; provide recommendations regarding hiring, or firing, or requiring. Associate degree or equivalent in an agricultural program, preferably dairy science, plus one to two years of effective experience. Knowledge of milk sampling procedures, feed management and data collection techniques related to dairy operations desirable.

Obituaries

Dr. Henry W. Sams, professor emeritus of English and associate dean emeritus of the Graduate School, died Aug. 21 at his home in Boalsburg. He was 69.

Dr. Sams came to Penn State in 1959 as professor of English and head of the English Department. In 1972 he became associate dean of the Graduate School but continued to teach in the English Department. He retired in 1977.

For several years he edited the *Journal of General Education*, published by the Penn State Press. He was the author of numerous papers published in professional journals and a book, *An Autobiography of Brook Farm*.

Dr. Sams received his bachelor of arts and master of arts degrees from Oberlin College and his doctor of philosophy degree from the University of North Carolina. He was a member of the National Council of Teachers of English; the College English Association, of which he was a former national president, and the Modern Language Association.

Dr. George D. Whitfield, associate professor of physics, died Aug. 21 at his home in Linden Hall. He was 80.

Dr. Whitfield, who joined the University faculty in 1965, was internationally known for his research on polaron theory. Since 1973, he spent time at the Middle East Technical University in Ankara, where he collaborated on research in solid state physics.

A graduate of City College of New York, he received a doctor of philosophy degree

in physics from Columbia University. He was co-editor of a book on polarons and excitons, author and co-author of numerous papers in solid state physics, and recently had been working on a book on polaron physics.

Frances E. Fogle, secretary and administrative aide in the College of Science since Sept. 1, 1952, died Aug. 21 at the age of 61.

Andrew O. Myers, truck driver in Applied Research Lab from 1945 to 1971, died Aug. 19 at the age of 72.

Royal F. Overlock, who retired in May 1970, died Aug. 16 at the age of 73. He was assistant manager of the Nittany Lion Inn from 1934 to 1958 and served as office manager from 1958 until his retirement.

Ralph W. Sweeney, group leader and greenhouse worker in the College of Agriculture from 1926 until his retirement in 1962, died Aug. 14 at the age of 84.

Linda B. Hulslander, Bradford County associate Extension agent, died Aug. 13 at the age of 33. She had been employed by the University since June 16, 1969.

Dorothy Emerly, secretary and budget clerk in the College of Education from 1961 to 1976, died Aug. 7 at the age of 67.

Joseph Moslak, janitor in Physical Plant from 1962 to 1975, died Aug. 5. He was 68.

Gallu, Borgnine discuss 'An Offer' Penn State couldn't refuse

Sam Gallu is a big-time playwright.

As the author of the mid-'70s smash, *Give 'Em Hell, Harry*, he could have had his pick of places to open his new one-man drama, *An Offer You Can't Refuse*, which stars Ernest Borgnine.

An offer to stage the play for the first time would have been difficult, indeed, for most theaters to refuse.

They never had a chance.

The show makes its world debut here, in Eisenhower Auditorium, at 8 p.m., Saturday, Sept. 12.

"It's marvelous to bring professional people here so these students — who live in an ivory tower, if you'll excuse the expression — can really and truly come into contact with people who are out there doing it," Mr. Gallu says.

He means it, too: In addition to assisting with the Penn State debut production, a group of University students will travel with the show during a nine-month, all-across America tour.

Mr. Gallu is a Penn State alumnus, Class of '40, who enjoys sharing a little of himself with his alma mater.

For that reason, the Penn State production of *An Offer You Can't Refuse* will benefit more than just those students directly involved and those who go to see it. Proceeds from the show will support the Simeon and Elizabeth Gallu Scholarship Fund, established by the playwright in 1976 to assist University arts majors.

Mr. Borgnine, for whom Mr. Gallu expressly created the play, shares the playwright's enthusiasm for sharing experience with aspiring Penn State students.

He also is impressed with Penn State's theater facilities.

"When I saw the facilities here, all the buildings that comprise this great University, I was most pleasantly surprised," Mr. Borgnine says. "I never expected a theater like Eisenhower — and not only that, but the Playhouse and the Pavilion."

Joking about the University's somewhat isolated location, Mr. Gallu recalls that

"Ernie didn't know where in the world I was bringing him, but I told him Penn



Sam Gallu '40 and Ernest Borgnine take a rehearsal break in Eisenhower Auditorium, scene of the Sept. 12 world premiere of Mr. Gallu's new one-man drama starring Mr. Borgnine.

State has all these theaters, all these fabulous facilities."

"I'll tell you, it's the end of America," Mr. Borgnine says, "but if this is what the end of America is like, I love it."

"It's a boon, a godsend for us," the actor continues. "Not only do we get to work in a tremendous theater like Eisenhower, we also get to use the facilities of the Playhouse and the Pavilion so we can be knowledgeable of what we're going to do on a thrust-out stage and in theater-in-the-round."

"This is important," adds Mr. Gallu, "because in Chicago we play in the round — and, Chicago is a very important date for us, a two-week run in a beautiful theater."

But whether in Eisenhower, the Playhouse or the Pavilion, Messrs. Gallu and Borgnine are committed to achieving one end: a powerful, thought-provoking debut production, followed by a tour of the same ilk.

"The play is a dissertation on life in these United States, as seen through the eyes of a capo mafioso," Mr. Borgnine says.

He explains that during the play, he plays three characters — a Mafia don, the son's father (in a flashback) and the don's son — all of whom vividly depict, from the perspective of the Mafia, aspects of American society.

"Things that are said in the play are true — there's no fiction," Mr. Gallu notes. "For me, the key phrase in the play is when Ernie says, *Society works against itself and as long as it does it works for me. Show me a man who lives by the Ten Commandments and I'll show you a man who lives a life he despises.*"

Mr. Gallu says that Mr. Borgnine's characters show how people are unwittingly "used by the establishment," including life insurance companies, savings and loan associations, lawyers, doctors and oil companies.

"I wrote the play as sort of an editorial piece, about the things that are bothering me and bothering a lot of other people in this world," the playwright adds.

"This play, in my estimation, is a great piece of literature," Mr. Borgnine says. "I've only had one other script that was so

well written it just flowed, just gave off itself, and that was in a picture called *Marty*."

Mr. Borgnine, in referring to *Marty*, recalls that it was this script by Paddy Chayefsky — about a fat, lonely butcher named Marty Piletti — that in the mid-'50s won him an Academy Award and launched him to stardom.

"*An Offer You Can't Refuse* is only the second script I've ever had that is so easy to work with, understand and appreciate," adds the actor.

Mr. Borgnine's comments are well taken: Since his graduation from Penn State — where he was active in the Glee Club, the Varsity Quartet, Thespians and choir — Mr. Gallu has written, produced and directed many top-rated films and television shows.

He headed Gallu Productions, Inc., based in Hollywood, which produced a total of some 275 programs for the networks, including *Navy Log*, *Behind Closed Doors*, *Border Patrol* and *Blue Angels*.

Give 'Em Hell, Harry, based on the life of President Truman, was Mr. Gallu's first drama, and in 1978, he launched a revival of the play at Penn State. He has, in recent years, maintained a close working relationship with the College of Arts and Architecture and its Department of Theatre and Film.

Appreciative of his efforts in behalf of the University, Penn State has honored Mr. Gallu as an Alumni Fellow and as a Distinguished Alumnus.

But as it's Mr. Gallu's love for Penn State that brings him back.

"It's an exciting environment," he says. "I've bought some land up here in the mountains, overlooking the whole valley. Whether I'm going to build there or not, I'm not sure."

"But as I was telling Ernie, I don't want to go to a senior citizens home; I'd like to be around a university, where I can see kids and use the library and go to an Artists Series and feel like I'm part of something that's exciting and growing and real."

As Mr. Borgnine says, "If this is what the end of America is like, I love it."

— by Tom Ressler

Listening system in Eisenhower enhances live performances for hearing impaired

The hearing impaired can now enjoy live performances in Eisenhower Auditorium — thanks to the installation of a new Infrared Listening System.

The project was first proposed by William E. Crocken, director of auditorium management, who encountered the system in a New York theater last year. The University's Office of Gifts and Endowments agreed to underwrite costs of the project using undesignated funds.

Registration open for Saturday art classes

Registration for the Saturday Morning Art School classes at the University is underway and will continue until classes are filled. Art classes for children, teenagers and adults will be held from 9 to 11 a.m. Saturday, Sept. 19, and continue every Saturday throughout the Fall Term.

Classes are given in the studio and art classrooms of the School of Visual Arts in three locations, with special classes in the art galleries and museums on campus. Since classes are limited in size, early registration is advised.

Tuition for all courses is \$10 per child and \$12 per adult, which covers the costs of art materials. For information on the courses being offered and registration, contact Ruth Barner at 865-6579 daily.

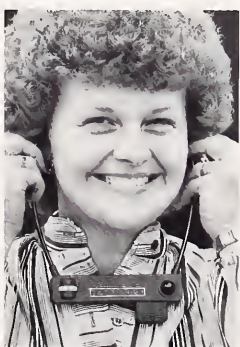
The Infrared Listening System was developed by Senneheiser Electronics in Germany. Users wear headsets which pick up invisible infrared sound broadcast from emitters located in the auditorium or theater. Some headset models are designed for use with one or two hearing aids, and users can hear well no matter where they are sitting in the house.

The Senneheiser outfit will be tied into Eisenhower's regular sound system — the same signal that goes through the dressing rooms and other areas in the Auditorium feeds the emitters.

In the past, some theaters have provided FM-wired aids to patrons with hearing difficulties. However, these require jacks and plugs, are often unreliable, and are located only in a specific seating section of the theater. In addition, listeners often were subjected to interference from CB radios and security vehicles. Infrared sound differs from broadcast frequencies, so there is no chance of outside interference.

Eisenhower's system was installed by Richard Fitzgerald, president of Sound Associates, Inc., of New York, which introduced the same unit into several Broadway theaters, the Vivian Beaumont Theatre at Lincoln Center, the Eisenhower Theatre at the John F. Kennedy Center in Washington, and the Dallas Theatre Center.

The initial order for Eisenhower Auditorium consists of 20 headsets, including one for use with one hearing aid



Diane Bloom, accounting aide in Eisenhower Auditorium, models an Infrared Listening System headset.

and one for use with two. Headset rental will be 50 cents per performance.

Mr. Crocken believes that the Infrared Listening System will bring another dimension to the Eisenhower experience, but he doesn't plan to stop with the University's largest auditorium. Eventually, he'd like to see the system installed in Schwab Auditorium, the Pavilion and Playhouse Theatres and the Music Building Recital Hall.

"We'd like to make all the University's performing arts facilities accessible to the hearing impaired," he says.

Josef Svoboda show is coming to Zoller

An exhibit of representative work by Josef Svoboda, chief designer and technical director of the National Theatre in Prague, Czechoslovakia, will be on display here Sept. 8-26 in the Zoller Gallery of the Visual Arts Bldg. and the Theatre Arts Gallery, Room 132 Arts Bldg.

The exhibit has been selected from a collection of 137 photomurals and seven models on loan from Czechoslovakia by arrangement with the Center for Russian and East European Studies of the University of Michigan.

It is being presented by the School of Visual Arts and the Department of Theatre and Film in collaboration with the Institute for the Arts and Humanistic Studies.

Described by *Tune* magazine as "the most imaginative stage designer working anywhere today," Svoboda has dazzled the theatre world with his mastery of sophisticated modern technology sensitively applied to theatre design.

The exhibit will officially open with a lecture by Dr. Jarka Bunian, professor of dramatic art at the State University of New York at Albany, at 8 p.m. Thursday, Sept. 10, in Room 105 Forum Bldg.

Dr. Bunian is the author of two books on Svoboda's work, the latter of which, based on Svoboda's designs for the operas of Richard Wagner, is to be published early next year. He will speak on "Josef Svoboda — Theatre Artist in an Age of Science."

Penn State Intercom

Former President Eisenhower addresses annual Encampment

A former Penn State president returned to the University last week to speak to students, faculty members and administrators at the annual fall Encampment at Stone Valley.

Dr. Milton S. Eisenhower, who was Penn State president from 1950 to 1956, told the gathering that higher education faces two challenges in the 1980s.

Chiding university faculties for being too "theoretical" to effectively lend their expertise to the problems of our time, he called for a reversal of that trend.

Dr. Eisenhower, whose brother, Dwight, was U.S. president from 1952 to

1960, also said it was necessary for colleges and universities to develop in their students a "philosophic framework" that will lead to a desire for life-long learning.

Turning to government, he said U.S. presidents should be limited to one six-year term in office and that the tenure of Congressmen should be limited by law.

"The problems we face are so complex and the solutions often so unpopular politically," he said, "that solutions will not come from those who make a career of government elected service."

"Often, the only way to succeed in elective careers is to stand for what is popular rather than for what is right."

Dr. Eisenhower argued that limited terms of public service would allow representatives to free themselves of the influences of the 2,500 full-time lobbyists who he said "haunt the halls of Congress."

After leaving Penn State in 1956, Dr. Eisenhower served as president of Johns Hopkins University through 1971. He previously had been president of Kansas State University.

In a governmental career that included service to eight presidents, he was special ambassador to Latin America for eight years and served on a dozen presidential commissions, five of them as chairman. Among these was the President's Commission on the Causes and Prevention of Violence in 1968-69.

His books have included the best seller *The Wine is Bitter and The President is Calling*, an assessment of the eight presidents he served, published in 1974.



Milton S. Eisenhower



Photo: Scott Johnson

It's possible that this 150-year-old white ash tree at Rock Springs Agriculture Research Farm is the largest ash in Central Pennsylvania. Horticulture worker Albert L. Summers is shown leaning against a branch that runs parallel to the ground for 60 feet.

Professor's research focuses on 'travelling in problem space'

Editor's note: This article is one in an on-going series in which a faculty member describes work in progress.

By Peter Gould
Professor of Geography

Why would someone in that oxymoron of the human sciences, with an unabashed passion for methodology, have such a deep concern for certain aspects of contemporary philosophy and

mathematics? Not so surprising, really, if you think of the way these old fields of human inquiry have traditionally asked questions of very general concern. And perhaps even less surprising if you think of the way the human sciences lie, almost by definition, between the areas of inquiry we have traditionally partitioned into the *humanities* and the *sciences*. What intellectual problems does such an "in-between" position pose? Are the human sciences to be stretched and racked

between the two? Or are they bridges that can make the two pieces whole again?

One of the deep and subtle problems facing the human sciences is that they have borrowed most of their mathematics from classical areas of the physical and biological sciences. The calculus, linear algebra, and statistics form the bulk of the mathematical approaches in the human sciences today. But what we forget, or simply ignore out of ignorance, is that these formal descriptive languages originally arose out of the subject matter — the actual problems — of these older scientific fields.

For most of the past three hundred years, the "natural philosophers" — the people we now split up into physicists, chemists, and so on — were in close touch with the mathematicians, or were often highly creative mathematicians themselves. Newton, Leibnitz, Gauss, Hamilton . . . many, in a long and distinguished list, created mathematics to describe, to structure, and to give coherence to the physical world observed in their day. The last thing they did was to borrow an existing mathematical structure, and then force their rich observations about the world into such a constrained, *a priori* mold.

Yet this is precisely what the human sciences do. Instead of reflecting carefully upon their own descriptive, and often qualitative, problems that arise out of rich human materials, they unthinkingly grab

great chunks of classical mathematics that described the physical world of the nineteenth century, and then force their human observations onto these highly constrained, and usually quantitative, structures. Far from being generated by the human materials themselves, the classical forms of mathematics often act as filters that destroy important information about the human world.

As for statistics, many human scientists, and perhaps even some statisticians, appear to believe that these approaches embody the "scientific method" itself, ignoring the fact that quite extraordinary progress was made for three hundred years before statistical methods even appeared on the scene. Add such a conceptual aberration to libraries of seductive computer programs, and you have a major problem on your hands — particularly if you are trying to teach!

If science — any science, physical, biological or human — is the telling of a good story to gain the temporary assent of the reader (although a special sort of a story-telling that is always contingent and open to revision), then many of the stories in the human sciences are essentially *structural*. It is extraordinary how all fields of human inquiry use the world *structure*: we speak intuitively about the structure of a molecule, a novel, a bridge, a university, a region, a Supreme Court, an economic system, a sonnet, a system of health

(Continued on page 4)



Peter Gould

Penn Staters

Two faculty members have received Fulbright Awards under the Mutual Educational and Cultural Exchange Program, according to an announcement from the U.S. International Communication Agency (USICA) and the Board of Foreign Scholarships.

Dr. Rodney A. Erickson, associate professor of geography, will conduct research on employment in the United Kingdom and the United States within a metropolitan context at the University of Manchester, United Kingdom.

Dr. Keith E. Nelson, associate professor of psychology, will conduct research on input effects on first and second language acquisition at Stockholm University, Sweden.

The awards were among more than 500 Fulbright grants for university teaching and advanced research in more than 100 countries for 1981-82.

Dr. John D. Martz, head of the Department of Political Science, spent 12 days last month lecturing and giving seminars in Lima, Peru; Bogota and Barranquilla, Colombia; Maracaibo and Caracas, Venezuela.

He was invited by the U.S. International Communications Agency to discuss various aspects of U.S. policy toward Latin America, especially as it pertains to the Reagan administration, to scholars and students, diplomats, and military officers in the three countries.

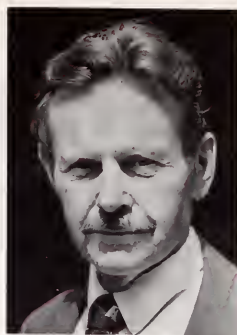


George L. Mauner

Dr. George L. Mauner, professor of art history, and **Dr. William R. Schmalstieg**, head of the Department of Slavic Languages, have been named Fellows of the Institute for the Arts and Humanistic Studies.

Dr. Mauner has been graduate officer of his department since 1967. His work on the *Nabis* and on the *Giacometti/Amiet* family are the major sources of information on both subjects. His book on Manet is a significant contribution to the study of a major painter.

Dr. Mauner has prepared and initiated exhibitions of the *Giacometti/Amiet* family



William R. Schmalstieg

in the United States, and of *Cuna Amiet* and the *Die Brücke* expressionist group in Zurich and Berlin.

Dr. Schmalstieg, head of the Department of Slavic Languages since 1969, has continued research and publication in Baltic and Slavic linguistics. The high point of his scholarship is *Indo-European Linguistics: A New Synthesis* (1980).

One of two leading specialists in the Prussian language, Dr. Schmalstieg is president-elect of the Association for the Advancement of Baltic Studies.

Promotions

Staff Exempt

Michael J. Breslin to director of campus relations at Capitol.

Alan J. Grill to assistant to the dean, personnel and administrative services in Education.

James H. Schmidt to senior medical illustrator at Hershey.

Mary Ann Solic to conference coordinator in Continuing Education.

Staff Non-Exempt

Andrew J. Lewis to research technician at Hershey.

Stephen J. Ressel to research technician at Hershey.

Philip G. Stark to critical care monitoring technician at Hershey.

Clerical

Donna K. Case to clerk, receptionist in Undergraduate Admissions.

Karen L. Gimbir to secretary B at Hershey.

Dorothy J. McClintock to insurance clerk in Controller's Office.

Marian J. Reed to secretary A in Earth and Mineral Sciences.

Technical Service

Thomas R. Carr to maintenance worker, utility at Delaware County.

Beth L. Pugh to animal caretaker A at Hershey.

Appointments

Elizabeth R. Baker as assistant professor of obstetrics and gynecology at Hershey. A.B., M.D., Duke U. Clinical instructor in obstetrics and gynecology, Medical U. of South Carolina.

Christine H. Comstock as assistant professor of obstetrics and gynecology at Hershey. B.S., U. of Michigan; M.D., U. of Chicago. Resident in obstetrics and gynecology, Hershey.

Bernard Gordon III as assistant professor of polymer science at University Park.

B.S., California Polytechnic State U.; Ph.D., U. of Arizona. Chemist, Ethicon, Inc.

Michael Udow as assistant professor of percussion at University Park. B.Mus., M.Mus., D.M.A., U. of Illinois. Assistant professor, Conservatory of Music at the U. of Missouri at Kansas City.

Charles W. Whitney as assistant professor of obstetrics and gynecology at Hershey. B.A., Alfred U.; M.D., Cornell U. Medical School. Resident, fellow in gynecologic oncology, Hershey.

Staff Development

Twelve previous graduates of the Basic Supervisory Management Course recently completed the eight sessions which comprise the Supervisory Management II Course. They were:

Bruce Adams, producer-director, Continuing Education; **Donald Bettleyon**, foreman, electronic services, Physical Plant; **Anthony Ciccarelli**, foreman, electronic services, Physical Plant; **Diana Dean**, executive producer-adult instruction, Continuing Education; **Erma Hamilton**, assistant housekeeping supervisor, Housing & Food Services; **Patricia Meyer**, data entry assistant programmer, Management Services;

Rose Miller, associate housekeeping supervisor, Housing & Food Services; **William Miller**, Jr., assistant director of broadcasting for the arts, Continuing Education; **Jean Selvaige**, secretary A, Planning & Budget; **Howard Sharpless**, supervisor of maintenance, Housing & Food Services; **Margaret Shaw**, housekeeping supervisor, Housing & Food Services; **Nancy Watson**, assistant housekeeping supervisor, Housing & Food Services.

The 30 employees who completed the eight-week Writing Skills for Secretaries/Clericals program were:

Carol Barner, clerk, data processing A, Physical Plant; **Vera Carson**, clerk typist A, Earth & Mineral Sciences; **Linda Cartright**, secretary C, Education; **Rebecca Dreibelbis**, accounting clerk, Controller's Office; **Lisa Fayewicz**, clerk, records A, Engineering; **Irene Ferguson**, secretary B, Liberal Arts; **Lisa Harris**, clerk, stock control A, Physical Plant; **Harriet Hillard**, senior clerk, College Work Study Program, Student Administrative Services; **Diane Hower**, secretary C, Health, Physical Education & Recreation; **Deborah Hoy**, secretary C, Liberal Arts;

Kathy Jones, clerk typist A, Physical Plant; **Beverly Keen**, secretary C, Agriculture; **Stacey Kelley**, secretary C, Health, Physical Education & Recreation; **Mary Kling**, clerk typist A, Physical Plant; **Karen Knisely**, clerk typist A, Agriculture; **Bonnie Moffatt**, secretary B, Continuing Education; **Janet Neff**, senior clerk, Management Services; **Mildred Poage**, student records examiner, Education; **Connie Putnam**, head clerk, service desk, Physical Plant; **Kathy Silver**, secretary C, Continuing Education;

Mary Jo Spicer, data processing clerk, Physical Plant; **Linda Stephens**, secretary B, Physical Plant; **Anna Strouse**, secretary B, Health, Physical Education & Recreation; **Paula Tutokey**, clerk, production A, Housing & Food Services;

(Continued on page 4)

Retirements

Steve P. Pastir Sr., a maintenance worker with Physical Plant, retired Sept. 5. He had been employed by the University since Dec. 1, 1966.

Emily Diehl, budget clerk at Hershey, retired Sept. 1 after serving with the University since June 17, 1968.

Caroline B. Corage, food preparer in

Housing and Food Services since Feb. 27, 1962, retired Sept. 1.

Rita M. Sanker, secretary in Earth and Mineral Sciences, retired Sept. 1 after being employed by the University since Sept. 16, 1963.

Leroy M. Siebenrock, maintenance supervisor in Housing and Food Services, retired Sept. 1 after serving the University since May 21, 1971.

Partings

Daniel M. Poore, associate professor of health and public administration at the Capitol Campus, left the University Sept. 1. He had been a member of the staff since July 1, 1970.

Dr. Richard A. Anthes, professor of meteorology, left the University Sept. 1 after serving since Aug. 1, 1971.

Theresa M. Houser, secretary in Arts and Architecture, left the University Sept. 1. She had been a member of the staff since Dec. 1, 1968.

Sarah A. Thompson, assistant professor of physical education, left the University Sept. 1 after serving since Sept. 1, 1971.

Michael A. Ondik, Jr., assistant herdsman, left the University Aug. 1. He had been on the staff since May 16, 1965.

Donald P. Wharton, acting head librarian and assistant professor at Altoona, left the University Aug. 1 after serving since Sept. 1, 1970.

Patricia A. McTarnsey, assistant professor in Health, Physical Education and Recreation, left the University June 1 after serving as a faculty member since Sept. 1, 1961.

Obituaries

William H. Reiber, former director of operational services in Housing and Food Services, died Aug. 31.

He joined the University staff in 1949 as a food cost and analysis clerk. He then became supervisor and in 1961 manager of the business operations for Housing and Food Services.

Mr. Reiber was named assistant director of housing in 1971 and was appointed director of operational services in 1975. He retired April 1, 1980.

He attended Temple University. For 20 years he served on the emergency first aid squad for the Penn State home football games.

R. Marian Dillman, secretary in the College of Education, died Sept. 1 at the age of 53. She had been a member of the University staff since April 1, 1974.

Carpooler

David B. Keller Jr. would like to share driving from Lewistown. He works from 7:30 a.m. to 4 p.m. Call either (717) 248-4610 or 863-0781 (ask for David Keller Sr.).

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University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Sept. 11-20 Special Events

Friday, Sept. 11

Board of Trustees meeting, Faculty Bldg. Commonsplace Theatre, 7 a.m. and 9:15 p.m., Room 112 Kern.

Robeson Cultural Center, Rufus Harley and his Combo — jazz bagpipes, 8 p.m., Schwab Auditorium.

GSA Resource Day, 11:30 a.m., Kern Lobby.

Sports: soccer vs. Loyola (MD), 7:15 p.m.

Saturday, Sept. 12

World Premiere, *The Mafia Company, An Offer You Can't Refuse*, by Sam Gallo, starring Ernest Borgnine, 8 p.m., Eisenhower Auditorium.

France-Cinema, Molinaro, *La Cage aux folles*, 7 and 9 p.m., Room 112 Kern.

68th Annual Horticulture Show, 10 a.m.-8 p.m., flower gardens along University Drive.

Free Admission.

Sports: football vs. Cincinnati, 1:30 p.m.

Sunday, Sept. 13

HUB Craft Center classes begin.

68th Annual Horticulture Show, 9 a.m.-4 p.m., flower gardens along University Drive.

Free Admission.

Monday, Sept. 14

France-Cinema, Molinaro, *La Cage aux folles*, 7 and 9 p.m., Room 112 Kern.

Nursing Consultation Center, "Families with Mental Health Concerns" support group, 7:30 p.m., Consultation Center. Continues each Monday during the term.

Tuesday, Sept. 15

Penn State Internationale Dancers meeting, 7-9 p.m., Room 132 White Bldg.

Wednesday, Sept. 16

Commons Concert, Buffalo Chipkickers, noon.

Kern Lobby.

Nursing Consultation Center, "Coping with Multiple Sclerosis," 3:40 p.m., Consultation Center.

Campus Colleagues social hour for women faculty and staff members, 4:30-6:30 p.m., Colonial Room, Nittany Lion Inn.

Alard String Quartet Concert, 8:30 p.m., Music Bldg. Recital Hall.

Sports: baseball vs. Juniata, 3 p.m.; soccer vs. West Chester, 7:15 p.m.

Thursday, Sept. 17

Late registration deadline.

Add deadline.

Graduate Commons Plant Sale, 10 a.m., Kern Lobby, through Sept. 18.

Penn State Internationale Dancers meeting, 7-9 p.m., Room 132 White Bldg.

Friday, Sept. 18

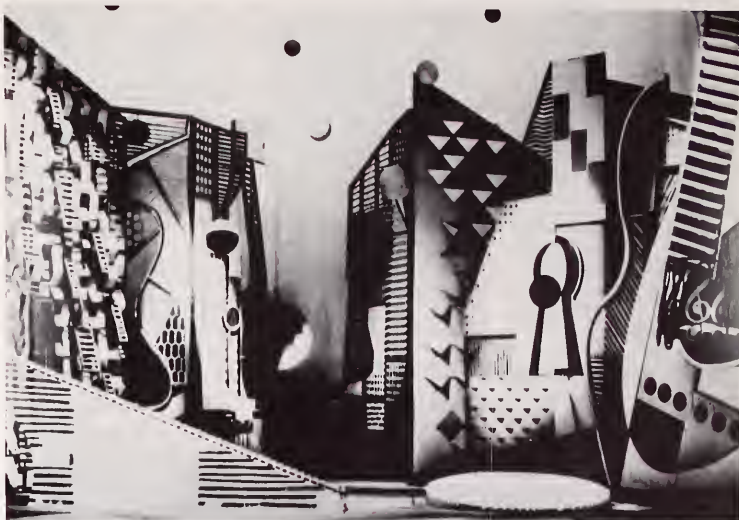
Commonsplace Theatre, *Ordinary People*, 7 and 9 p.m., Room 112 Kern.

Sports: women's volleyball vs. Georgetown, 8 p.m.

Saturday, Sept. 19

France-Cinema, Beresford, *Breaker Morant*, 7 and 9 p.m., Room 112 Kern.

Saturday morning art classes begin, 9 a.m., Room 101 Arts Bldg.



Josef Svoboda's photomurals and models are exhibited in Zoller Gallery through Sept. 26

Basic sailing course begins, 9:30-11:30 a.m., Stone Valley Recreation Area. Class continues Saturday mornings through Nov. 7.

Information and registration, 863-0762.

Sports: women's volleyball, Penn State Invitational; women's tennis vs. Syracuse, 10 a.m.; men's cross country vs. Alumnus, 10:30 a.m.; women's cross country, Lady Lion Invitational, 11 a.m.

Sunday, Sept. 20

Commonsplace Theatre, *Ordinary People*, 7 and 9 p.m., Room 112 Kern.

Basic sailing course begins, 9:30 a.m.-12:30 p.m., Stone Valley Recreation Area. Course continues Sundays through Nov. 8.

Information and registration, 863-0762.

Sports: women's tennis vs. Colgate, 10 a.m.; baseball vs. Mansfield (DH), 1 p.m.

Seminars

Friday, Sept. 11

Analytical Chemistry Seminar, 11 a.m., Room 333 Whitmore Laboratory. Dr. Joe Campagna, Naval Research Lab. Chemistry Division, Washington, D.C., on "High Performance SIMS."

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker Bldg. Charles L. Hosler, professor of meteorology and dean, College of Earth and Mineral Sciences, on "Meteorology from the User's Point of View."

Monday, Sept. 14

English Colloquium, 8 p.m., Room 101 Kern. Jonathan D. Culler, professor of English and comparative literature, Cornell, on "The Reader in Contemporary Criticism."

Thursday, Sept. 17

Ceramic Science 500 Seminar Series, 11 a.m.-noon, Room 301 Steidle Bldg. Dr. W. B. White, professor of geochemistry, on "Sulfide Ceramics for Optical Window Applications."

Economics Seminar, 3 p.m., Room 101 Kern. Mordechai E. Kreinin, professor of economics, Michigan State, on "International Competitiveness of the U.S. Auto and Steel Industries."

Physics Colloquium, 3:50 p.m., Room 445 Davey Lab. D. Edwards, Ohio State University, on "Spin-Polarized Hydrogen."

Friday, Sept. 18

Seminar sponsored by the Center for the Study of Higher Education, German and Political Science Departments, 10:30 a.m., Room 101 Kern. Professor Gerd Gressner, M.D., president, University of Kiel, Germany, on "German Universities Today."

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker Bldg. Pierce Lewis, professor of geography, on "Images of the American Landscape: Art as a Reflection of National Personality."

Exhibits

Kern Gallery: open Monday through Saturday, 8 a.m.-11 p.m.; Sunday, noon-11 p.m.

Slavic Art Exhibition: Dorothy Behringer, eggery, Jim Dupree, paintings, Print Exhibition and Sale, through Sept. 11; Janis Mershon, weavings, opens Sept. 14.

Museum of Art, open 11 a.m.-4:30 p.m.

Closed Mondays: Tours, Sundays, 1:30 p.m. Hemline, Neckline, Streamline: Women's Fashions 1890-1940 from the collection of Beverly Birks. African Sculpture from the Museum's collection. An Overview of the Permanent Collection.

Pattee Library: A Commonwealth Campus: Yesterday, Today, and Tomorrow, East Corridor Gallery. Naomi Gallagher, paintings, through Sept. 18; Travels in Greece: Ink Wash Drawings by Wendy Snetsinger, opens Sept. 18; Lending Services Lobby. Bess Ganglewski, relief sculpture, opens Sept. 16. Second Floor, East. Exhibition of contributions by new Fellows, Institute for the Arts and Humanities.

Success, through Sept. 15. Highlights from the Allison-Sheley Collection, opens Sept. 11.

Rare Books Room.

Visual Arts Gallery: open 9 a.m.-5 p.m., Monday through Friday. Saturdays and Sundays, noon-5 p.m.

Josef Svoboda, work in theatre design, through Sept. 26.



The Alard Quartet in New Zealand during summer residency

Alard Quartet opens season Sept. 16

The Alard String Quartet will open its 1981-82 campus season with a concert at 8:30 p.m. Wednesday, Sept. 16, in the Music Bldg. recital hall.

Mozart's String Quartet in E-Flat Major, K. 428, will open the group's program. The piece is one of six quartets the composer wrote between 1782 and 1785 in homage to his friend Haydn. The six quartets are often considered some of the best examples of Mozart's genius.

The First String Quartet by Czech-born composer Karol Husa, a Pulitzer Prize winner in music and Kappa Alpha Professor at Cornell University, has been selected for the program's second piece. Mr. Husa studied at the Prague Conservatory, the Paris National Conservatory and the Ecole Normale de Musique, where his teachers included Arthur Honegger and Nadia Boulanger.

His First String Quartet was composed for the Smetana Quartet when Husa was in Paris in 1947, and the piece was premiered by that group in Prague one

year later. The Alard Quartet will be recording the Husa piece for Leonardo Records this fall.

The Alard Quartet will close its concert with Maurice Ravel's String Quartet in F Major, the only string quartet Ravel wrote. Since being published in 1910, it has become one of the most highly praised works in quartet literature.

The Alard String Quartet, composed of violinists Joanne Zagst Feldman and Donald Hopkins, violist Raymond Page and cellist Leonard Feldman, spent the summer as the quartet-in-residence at the University of Canterbury in New Zealand. The group was received with enthusiasm in the area, and a reviewer in the Christchurch newspaper "The Press" states that the musicians "have collectively perfected the art of ensemble playing; theirs is a flawless melding of four sounds."

The School of Music is sponsoring the free Wednesday night concert, and the public is welcome.

Professor's research

(Continued from page 1)

administration, a chess game . . . the lists literally endless. Yet making such an intuitive notion well-defined and operational is often a very difficult and intellectually demanding task.

Many of our structures are not quantitative at all, but consist of sets of words with specific and well-defined meanings linked and connected together in complex, qualitative, and actually multidimensional, ways. There are bodies of modern mathematics — algebras and topologies, and mixtures of the two — that describe connections between elements of sets, and give us a geometrical picture of the things we are trying to describe.

But these geometric descriptions are our own creations, resting on clear, and above all shared, definitions in language — definitions of the sets of things themselves, and definitions of the relations between these sets and their elements.

These are tasks that the philosopher Jürgen Habermas would say are characteristic of the *technical* perspective. But the real question is what do they *mean*? And here the interpretive task begins, the perspective Habermas has termed the *hermeneutic*.

The interpretation of structures, the ascription of meaning to them, is not something generally settled in the human sciences by the critical experiment, but by reasoned discourse on the evidence. Yet

because the structures are human, are defined by humans, and have meaning for humans, an interpretation may always be informed by the values and particular ideology of the interpreter — *ideology* defined in the careful sense of "unexamined discourse". And so a third perspective is raised, the *emancipatory*.

If we live in a time when it is possible to "get on the outside looking in," we can raise questions of changing the structures, changing the multidimensional geometries in which we live our lives. The human scientist does not deal with the apparently stable and invariable spaces of the physical scientist, but in spaces and geometries whose *structure* can be changed.

After all, just think of changing the structure of a university. What is it but altering relations between elements of sets to let things happen better according to certain sets of values!

And so the unabashed methodologist talks to colleagues in physical education about the structure of team games, to people in art history about "color relations", to students in health administration about the structure of health care delivery systems, and to friends in geosciences about the structure of foraminifera classifications — and in his spare time he investigates the structure of Portuguese agriculture, rural communication, international TV programs, and the tales of Italo Calvino. Travelling in problem space tends to be more exciting these days than journeys in geographic space.

Those who successfully complete the course will receive a Stone Valley Skipper's Card.

A second class will meet each Sunday from 9:30 a.m. to 12:30 p.m. Sept. 20 through Nov. 8. Enrollment also will be limited to 16 persons. The course fee is \$40 per person. Persons who successfully complete the course will receive an American Red Cross Basic Sailing Certification and a Stone Valley Skipper's Card.

Channel 3 are: 7:30 p.m. Sunday, Sept. 20; 10:30 p.m. Saturday, Sept. 26, and 10:30 a.m. Sunday, Sept. 27.

"Teaching America to Sing" was taped last summer. It follows students through demanding sessions with the 80-year-old song leader and long hours of singing and dancing which culminate in a public concert with "Rhythm of Life" and other Waring songs. The documentary was produced by Bruce Adams.

Jazz artist Rufus Harley presents Schwab concert

Accomplished jazz saxophonist Rufus Harley, probably better known as the first professional jazz bagpiper player, will be in concert at 8 tonight in Schwab Auditorium.

Mr. Harley and his trio are sponsored by the Paul Robeson Cultural Center as part of its fall term activities to welcome new and returning students. Tickets for the concert are on sale for \$2 at the Hetzel Union Building and the Paul Robeson Cultural Center.

The manager of the Employment Division is responsible for reviewing the wording of all help wanted advertisements, so that such advertisements are in compliance with State and Federal legislation and a standard of public relations is maintained (See PS-33, Help Wanted Advertising in the University Policy Manual).

Anyone wishing to place classified advertisements for faculty or staff vacancies should contact Robert L. Kidder, manager, Employment Division, 865-1387 (Network number 475-1387) before taking any formal action.

Housing and Food Services has new restaurant complex in HUB

Housing and Food Services has opened its new restaurant complex, located in the southwestern corner of the Hetzel Union Building formerly occupied by the Lion's Den.

"We're very pleased with the excellent quality of work and the high level of cooperation on the part of the Physical Plant staff and our staff in making the transition," says Richard Allan, assistant director of Food Service.

The "transition," he explains, included closing the Lion's Den, constructing the new complex, and transferring equipment to the new facility from the Terrace Room, which has been closed.

"Everything has gone very smoothly; we opened on schedule (Aug. 31) and are anticipating being in full operation by the middle of October," he adds.

The new complex consists of four distinctive areas separated by half walls and full walls, but sharing one general space illuminated by full "window walls." Open now are the Fast Break, Food for Thought and the Greenhouse; the Founders Room is in the final stages of construction.

"We integrated each area's dining decor with the theme of the serving area," Mr.

Allan notes. Hence, the Fast Break area — for quick breakfasts and lunches — has a sports, "snack-bar" motif; the Greenhouse Area reflects its soup and salad bar menu with potted plants and a garden, patio motif; and the Food for Thought area reflects its hot food menu with a quiet, carpeted motif highlighted by natural burlwood paneling and butcher block tables.

The Founders Room features the most elegant decor — wood paneling, all natural wood furniture and a parquet floor.

Hours of the three restaurants now open, Monday through Friday, are:

— The Fast Break, breakfast from 7:30 to 9:30 a.m.; lunch from 10:30 a.m. to 2:30 p.m.

— Food for Thought, lunch from 11:30 a.m. to 1:15 p.m.; dinner from 5 to 6 p.m.

— The Greenhouse, lunch from 11 a.m. to 1:30 p.m.; dinner from 5 to 6:30 p.m.

The Founders Room — the more formal atmosphere of which will include table service for entrees, beverages and desserts, and self-service for the soup and salad bar — will initially serve from 11:30 a.m. to 1:15 p.m. when it opens.

Trustee's slides show 'The Faces of Tibet'

"The Faces of Tibet," a color slide show of the photography of H. Thomas Hollowell, will be presented at 7:30 p.m. Monday, Sept. 21, in the Auditorium of the Materials Research Laboratory.

Mr. Hollowell, a member of the University's Board of Trustees and chairman of the board of Standard Pressed Steel Co., Jenkintown, will show slides taken on a trip to Lhasa, Tibet, in November, 1980.

An avid photographer, Mr. Hollowell has taken several trips to various parts of the world on photographic safaris.

The Tibet trip, long delayed by China's closed door policy, fulfilled the third and last leg of Mr. Hollowell's lifetime ambition: to photograph Mount Everest,

the Taj Mahal, and the Potala, palace and Buddhist monastery of the exiled Dalai Lama.

The slide presentation, open free to all interested persons, is being presented at a meeting of the State College Color Slide Club.

Staff development

(Continued from page 2)

Beverly Watson, clerk, billing A, Physical Plant; Shirley Wegener, secretary C, Continuing Education; Janet White, secretary C, Business Administration; Nancy Winnett, secretary C, Undergraduate Admissions; Devra Wolfe, employee benefits clerk, Personnel Administration; Margaret Zimmerman, secretary C, Health, Physical Education & Recreation.

Staff Vacancies

The following vacancies for positions classified as staff employee or staff nonemployee have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotional apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m. Sept. 17, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

PUBLIC INFORMATION OFFICER, WILKES-BARRE CAMPUS Responsible for establishing and coordinating a total external relations program including relationships with newspaper, radio, television, advisory board, alumni, community leaders and organizations. Bachelor's degree in journalism, English or communications or equivalent and at least two years of experience in journalistic writing or public relations are required.

SYSTEMS AND APPLICATIONS PROGRAMMER, COLLEGE OF MEDICINE, HERSHEY Responsible to the manager of Programming and Systems for translating systems analysts' designs and instructions into computer programs which control the processing of data within the computer. Bachelor's degree and two to three years of effective programming experience or associate degree plus four to six years' programming experience is required.

COORDINATOR OF CAREER DEVELOPMENT AND PLACEMENT, STUDENT AFFAIRS, WORTHINGTON SCRANTON CAMPUS Plan and conduct career research programs designed to meet the needs of all students in adult and

returning students. Assist with community-related educational programs such as high school visits, career days, and college nights. Coordinate full-time, part-time, and summer employment. Manage, update and maintain the career resource center. Provide academic, financial and general adjustment counseling to students enrolled in the Educational Opportunity Program. Assist in the recruiting of students for the Educational Opportunity Program. Master's degree in counseling, student personnel or related fields plus one year of effective experience required.

ASSISTANT MANAGER, HOUSING AND FOOD SERVICES, HAZLETON CAMPUS Responsible to manager, Housing and Food Services — Commonwealth Campuses for assisting in supervising the overall operation of the Housing and Food Service units. Associate degree in institutional management or equivalent, plus two years' related experience in food supervision.

Funding Sources

For further information, call 865-1375

1065-1 The National Research Council will sponsor military-related doctoral fellowships in technical fields in demand by the military. About 75 to 100 are expected in FY 1982, 250 in FY 1983, and 300-400 in FY 1984. The program will start in October 1981 with monies becoming available to universities by early 1982. Specialties named at this early stage (applied research) are: computer sciences, advanced materials research, vertical-lift technology, and vacuum-tube research. Stipends are expected to range from \$10,000 to \$12,000 per year plus tuition and fees. This new program is also expected to add NSF's graduate fellowship program (basic research), which is now scheduled to be retained and expanded. The current NSF stipend is \$4,800. (Ref. Chronicle 9/28/81)

Stone Valley offers basic sailing courses

Two public basic sailing courses will be conducted at Stone Valley Recreation Area during the Fall Term.

One class will meet from 9:30 to 11:30 a.m. on Saturdays, Sept. 19 through Nov. 7. Enrollment is limited to 16 persons and there is a course fee of \$35 per person.

Fred Waring workshop highlighted on WPXS

A 30-minute WPXS documentary about Fred Waring's choral music workshops, "Teaching America to Sing," is being distributed nationally this month.

The Public Broadcasting Service will feed the program at 6:30 p.m. Saturday, Sept. 19. Local broadcast times on

Copier key reported lost

An IBM Copier II meter key is missing. Anyone having unaccounted-for copies charged to their department or any knowledge of an extra meter key being used should contact Police Services.

Pattee provides tours

Pattee Library will be offering tours for new faculty members, administrators and faculty-equivalent personnel Monday, Sept. 14, through Fri. Sept. 18. Tours will begin in the Reference Section, 105 East Pattee, at 9:30 a.m. and 1:15 p.m.

Faculty/Staff Alerts

Policy reminder on help wanted advertising

The Office of Personnel Administration would like to remind faculty and staff members of the University policy regarding the placement of help wanted advertising.

Appropriation '82-83:

Trustees approve proposal for modest increase of 7.6 percent

Trustees of the University have approved submission of a state appropriation request for 1982-83 labelled modest in the light of continued inflation.

A \$16 million increase over the 1981-82 appropriation is sought in the preliminary request submitted to the Pennsylvania Department of Education. It is based on a 7.6 percent increase in the University's general funds budget, which supports basic educational programs such as teaching, research and public services.

"This proposed budget is a tightly fashioned one," President Oswald told the Trustees, "particularly with the prospect of continued inflation in the 8-to-10 percent range."

Dr. Oswald said that financial problems discussed by the Trustees when they approved the 1981-82 operating budget in

July have not changed significantly.

"While inflation has increased by 93 percent since 1972-73, our appropriations from the Commonwealth have increased by only 62 percent," he added. "The 5.3 percent increase in state appropriations for 1981-82, while greatly appreciated, covered only a part of the University's increased costs of operation."

To help meet rising costs, he noted, Penn State has continued its program of internal budget reductions and reallocations to areas of greater priority or need.

"The \$2.2 million in budget reallocations in 1981-82 brings the 10-year total to \$25.6 million, or nearly 10 percent of our current general funds operating budget. This demonstrates that the University continues to make effective use

of its available resources."

Dr. Oswald said the University's general funds budget of approximately \$275 million is being increased by 7.6 percent, including funding for the Milton S. Eisenhower Medical Center. The increase is based on several general principles, including anticipation that enrollment will be generally stable for the 1982-83 academic year.

"The emphasis of the proposed budget is placed on provisions to cope with increased costs of operation," Dr. Oswald noted. "The budget seeks to provide for essential salary adjustments for employees."

"It also is aimed at keeping up with mandated fringe benefits cost increases, including Social Security base and rate changes, the rapidly escalating costs of

group insurances and fringe benefits related to salary adjustments."

Increases in the costs of supplies, services, fuel, utilities, library books and materials, instruction and research equipment, and the increased costs of "critically needed maintenance to the University's physical facilities" also are addressed.

The 1982-83 budget continues the policy begun two years ago of including an average 5 percent increase in tuition. This is in recognition of the need to share increased costs.

Dr. Oswald reminded the Board that "students have been paying a disproportionate share of the increased costs and this budget is based on the state's contribution being in better balance

(Continued on page 3)

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Penn State Intercom

Board approves seeking loan for apartments

An application for a low-interest loan for funds to construct new student apartments has been authorized by Trustees.

The application, for approximately \$3.48 million, was filed with the U.S. Department of Education under its College Housing Program, which makes loans available to colleges and universities.

"The University is consulting students and others on the possible construction of student apartment units on the site presently occupied by the Theatre Arts Production Studio on the University Park Campus," said Robert A. Patterson, senior vice president for finance and operations.

"This site will become available when current plans to relocate the theatre arts production facility are carried out."

No state or tuition funds could be used on construction of this housing unit.

One version being reviewed is the construction of a three-story apartment complex containing 36 individual apartments that would house a total of 144 students. Four students would reside in each apartment. Each living unit would contain four bedrooms, a living room, bath and kitchen-dining area.

"For several years the University has faced a situation in which the demand for on-campus housing has been heavy, particularly during Fall Term," Mr. Patterson noted. "This move is an attempt to alleviate part of that problem. It would also enable us to market-test new types of student housing on a limited scale."

The Theatre Arts Production Studio is located in the middle of the Nittany Residence Hall area. For a time, during World War II, it served as a dining hall. Tentative plans are for the production facility to be located in a new structure that would be built near the Land and Water Resources Bldg.



Diners enjoy the new restaurant complex in the HUB.

Photo: Dave Sholly

Board receives schedule for presidential search

Quentin E. Wood, president of the Board of Trustees, has given the Board a tentative timetable for selection of a successor to University President Oswald, who will retire June 30, 1983.

"As planned now, our schedule calls for the appointment of a new president at the November, 1982, Board meeting," Mr. Wood said. "That would give the President-elect several months in which to become familiar with the University before assuming office the following July."

After Dr. Oswald announced his intention to retire, Mr. Wood appointed eight Board members to serve on a Trustee Presidential Selection Committee. Mr. Wood, who is chairman of the Trustee Presidential Selection Committee, appointed Walter J. Conti, vice president of the Board of Trustees, as vice chairman. That committee, which will guide the University's search for a new president, held its first meeting Aug. 1.

"At that meeting, the committee discussed its own role in the search process and outlined a tentative schedule," Mr. Wood said.

It also authorized establishment of, and

outlined the membership makeup for, a University Presidential Search and Screen Committee, to help in the search for a new president. That committee is to be

Statement

AS INTERCOM went to press on Tuesday, Gov. Thornburgh urged the Legislature to cut state spending by one percent across the board to absorb the loss of \$267 million resulting from federal action. President Oswald responded in the following statement:

"We have just been made aware of the financial steps the Governor is taking at the state level to accommodate the actions taken by the Federal government which have impacted on the financial structure of the Commonwealth. To Penn State this represents a difficult financial problem in that a one-percent reduction is over 1.3 million dollars. At the same time, we recognize the need for such action and, if it is approved by the legislature, we will effect necessary cutbacks throughout the University."

composed of faculty members, students and representatives of other University groups.

"Following the Aug. 1 meeting, letters were sent to the various University representatives asking them to submit to the Trustee Presidential Selection Committee, by Oct. 15, the names of nominees for the Search and Screen Committee," Mr. Wood said.

Members of the Search and Screen Committee, to be selected from among the nominees by the Trustee Presidential Selection Committee, are expected to be named in November.

From November, 1981, through May, 1982, Mr. Wood told the Trustees, the University Presidential Search and Screen Committee will advertise the position, receive and screen nominations and applications, and submit to the Trustee Presidential Selection Committee a list of five to ten top candidates.

From June, 1982, through October, 1982, the Trustee Presidential Selection Committee will further narrow the list of candidates. That committee will submit a final recommendation to the Board of Trustees at its November, 1982, meeting.

Faculty Senate discusses PS-23, progress on calendar conversion

The University Faculty Senate, at its Sept. 8 meeting, began the current academic year with a focus on one of its major concerns of last year: completing its in-depth review of PS-23, the University's policy document on promotion and tenure.

President Oswald, in his opening-meeting remarks, noted that "the administrative guidelines and the amended PS-23 — recommended by this Senate and approved by me — both have been issued."

He also expressed his appreciation for work of the 1980-81 University Promotion and Tenure Committee, chaired by Richard G. Cunningham, vice president for research and graduate studies.

In addition, Dr. Oswald reported the results of the past year's PS-23 evaluations for promotion and tenure.

Turning to the other major topic of his remarks, Dr. Oswald observed that the process of calendar conversion to the early semester system is on schedule.

"Even so," he said, "it is somewhat disturbing that so many departments

appear to be foregoing the opportunity for potential significant program change. While curriculum revision is not dependent on a calendar change, it will probably be many years before a new calendar conversion offers this particular opportunity again."

The President added that he recently sent a letter to the members of the President's Staff, the Council of Academic Deans and the Council of Commonwealth Campus Directors emphasizing the importance of the Calendar Conversion Council.

One of the major risks of a calendar conversion in an institution as large and complex as ours is that the many decisions and discussion will not be coordinated," he said. "My recent letter emphasizes that the Calendar Conversion Council must be kept informed and that any questions of procedure or policy should be directed to the Council."

In its report on PS-23, the Senate's Faculty Affairs Committee proposed two legislative items calling for recommendations to the President for

revision to the policy. Senate response to both was mixed and both were carried over for action at the Oct. 6 meeting.

The first proposal, dealing with the section of the policy popularly referred to as the "dean's veto," calls for revamping the promotion and tenure process so that college review committees may override their deans' decisions and forward promotion and tenure cases to the University review level.

The second proposal deals with modifying administrative guidelines to provide a clearer statement of the appropriate procedures for evaluating teaching effectiveness as related to promotion and tenure. The committee's proposal calls for procedures and methods of evaluation to be selected by faculty members of individual academic units.

Any proposal for revision that is passed by the Senate becomes a recommendation from that body to the President and must be acted upon by him before it becomes policy.

Dr. Cunningham also presented an oral informational report, the edited text of

which appears below.

In other action, the Senate approved proposals submitted by its Committee on Academic and Athletic Standards to adopt several new definitions in its "Academic Policies for Undergraduate Students," published annually in the *Penn State Student Handbook*.

The new definitions — which pertain to full-time students and drop add periods — form the basis for many additional changes, all necessitated by the impending conversion to the early semester calendar system. During the current academic year, the Senate will revise the entire set of policies.

According to the new definition, "a full-time student is . . . one scheduling course credits at the rate of 12 or more per semester in any mode of instruction as defined by Section 42-23 (in the *Student Handbook*)."

Further, "the typical load for a full-time student is defined to be from 12 to 19 course credits per semester," and, "normal progress toward fulfilling the

(Continued on page 2)

University Promotion and Tenure Committee's functions outlined

Editor's note: Dr. Richard G. Cunningham, vice president for research and graduate studies and chairman of the University Promotion and Tenure Committee, outlined the Committee's functions at the Sept. 8 Faculty Senate meeting and also offered suggestions for improving dossiers as a means of assisting candidates for promotion and tenure. His remarks follow:

I would summarize the usefulness and purposes of the Committee's function as follows:

1. Our "being there" encourages careful attention to proper documentation and handling of each tenure or promotion case.

2. The University Committee provides an overview of policy and procedure across campuses, departments, and colleges which identifies any irregularities in the system or within an academic unit. Annually the Committee recommends changes to improve the process. One example is the divider sheets for the dossier listing the kinds of information appropriate for each section. As a result of this feedback, the quality of dossiers has improved significantly.

3. Finally, we advise the President and the Provost by reporting our votes on each candidate, accompanied by explanations for the Committee's recommendations.

Each promotion or tenure candidate is assigned to a two-person subcommittee for a detailed review of his or her dossier. Every committee member is expected to have read and cast with the secretary a preliminary vote on each case before coming to each meeting. At the meeting, the two-person subcommittee present each case and make specific initial recommendations. Following discussion, the Committee votes.

In the case of tenure, and promotion to full professors, deans are invited to meet with the Committee, (a) if information appears to be missing or contradictory in the documentation or (b) if the initial balloting indicates a probable negative recommendation by the Committee. Any new information or interpretation resulting from these interviews with the deans is attached to the dossier when it is forwarded to the President and Provost for the final decision.

Here are six observations which may help you understand how the Committee goes about its task:

1. The University Committee is keenly aware of the importance of effective teaching on the one hand and the difficulty of measuring teaching quality, on the other hand. 2. "Local criteria" are important and are kept in mind, including the variability of importance of research and publications as we compare faculty at Commonwealth Campuses to those at

Behrend and Capitol Campuses and at University Park and Hershey. 3. Correct procedures and fairness to each candidate are of paramount importance.

4. Security is maintained. Members are expected not to discuss promotion and tenure committee discussions or votes.

5. We avoid surprises for the previous review level. Deans are advised of tentative negative recommendations and are invited to meet with the Committee. 6. In each case the Committee tries to reach a unanimous or near unanimous recommendation to the Provost and President. But this is impossible with several cases each year. Badly split votes, for example, six yes and five no, or conversely, do occur. Such votes do serve a useful purpose, since these cases are thus identified for particularly careful review by the President and Provost.

As I indicated earlier, the University Committee has observed during the past three years significant improvements in the quality of PS-23 dossiers. However, there are several recurring problems I'd like to bring to your attention prior to the 1981-82 cycle.

In the evaluation of teaching effectiveness major problems exist. It is realized that at least part of the confusion can be attributed to the as yet unclear University Faculty Senate policy statements on teaching evaluation. These statements involve the obtaining of student evaluations (1) for use by the instructor to improve his or her performance and (2) Evaluations for use in recommending promotion and tenure. Note that a third process is involved if a course is to be evaluated. Student questionnaires tend to blur together two or all three of these processes.

Many dossiers reaching the University Committee reflect a lack of understanding of the distinction between IEF's (and other forms collected by the instructor) and a PS-23 evaluation of teaching which should be designed, administered, and controlled by an administrative entity or a faculty committee.

I am pleased to note that the Senate is taking steps to clarify its policy statements on teaching evaluation for PS-23 purposes. Early implementation is doubly important because of the lead time necessary to bring about the needed improvements. The PS-23 evaluations should be based on five to six years of accumulated evidence. Thus new processes will produce meaningful results only after several years of use.

The best PS-23 teaching evaluations exhibit the following characteristics, listed in the hope they will be helpful to dossiers written in 1981-82. These are:

- Brevity. Six pages, not sixty pages.
- A summary statement of evaluation

plus an explanation of the significance of the findings (student and peer inputs) in terms of expectations and norms of performances in that area, i.e., explain the local yardstick.

— Findings are based on factual information using an established departmental — or campus-administered — process to gather periodically evaluations not subject to control by the candidate.

— An assurance that all input from students and peers has been reported or at least summarized, that evaluations are not "selected" to eliminate negative or neutral results.

Evaluation memos from peers that uniformly praise and extol the candidate's teaching virtues — without a hint of criticism of the candidate — lose impact. And some of the least convincing peer memos appear in cases in which no student evaluations were obtained. The absence of any observed defects and even mild constructive criticism produces low credibility.

For PS-23 purposes, student evaluation forms should be simplified and streamlined. A few questions will produce more valid results than pages of questions, and save time for everyone concerned. Some key questions that should be addressed are (a) did the student find that the instructor helped him or her to understand and learn the material? (b) How does this instructor rate in comparison with other faculty teaching similar material to similar students, i.e., lower division, upper division, or graduate?

When applicable, indicate the initial deficiencies pointed out to the candidate, and his/her response to constructive criticisms.

Numerical rating scales are used in most student evaluation procedures. A common numerical scale across all colleges and campuses would be very helpful, and it is suggested for future attention. The University committee in 1980-81 received dossiers with evaluations based on numerical scales of 1-4, 1-5, 1-7, and 1-10. This makes interpretation difficult, particularly when the dossier fails to identify the scale.

Turning now to other aspects of the documentation for PS-23, recognize that the preparation of a well organized, informative and persuasive dossier is hard and time-consuming work. There are no shortcuts. In preparing dossiers:

- Obtain and use information from the candidate, but the PS-23 input should be rephrased by the department head or an assignee, identified in either case.
- Plan ahead — avoid the 11th hour flurry of information collecting and

dossier preparation. Filling gaps in the process with generalized statements rarely persuades. The last-minute solicitation of testimonial letters from a few undergraduate or graduate students should be avoided. Such letters cause one to wonder: How many students were asked to write letters and how many responded? If others did respond, were they also favorable?

— The thoroughness of all inputs to the dossier (committee reports, summary statements, etc.) should be identified, and dated.

— The "Service to . . ." sections tend to be enlarged with inappropriate material. Normal duties expected of the candidate in his/her teaching, research and scholarly activities are frequently cited as "Service." If service to the University and the profession is lacking, say so by leaving the section lean, or even blank. (Candidates are rarely, if ever, turned down solely on the basis of a service record, if teaching, research and scholarly activities are strong plus factors.)

— Letters — internal and external — are effective and helpful if objectively written by references in a position to be knowledgeable about the candidate. *But more is not better.* The University committee has encountered dossiers containing well over a dozen letters. Reading, say 13 letters of recommendation, leads one to wonder: Is this a collection of all the favorable letters? What happened to the others? Although letters are not required for promotion to associate professor — unless concurrent with tenure — they frequently do appear, and often for weak cases. If letters are used, take care to inform the reader how the letters were solicited, how many were received, and that all replies received are included. The qualifications of the letter writers to serve as authorities in evaluating the candidate should be stated.

In summary, first I urge you to strive for brevity. The strongest cases arrive as lean dossiers. The converse is often true: Thick is often a tip-off to a weak case. Despite the good intentions, documentation overload usually hurts more than helps the candidate. And one-hundred-page dossiers are an imposition on the faculty committees and administrators who participate in the PS-23 procedures. The eloquence and power of understatement are rarely encountered in PS-23 land! Second, the integrity of the process should be evident. Dispel all doubts concerning "selecting" letters. Assure the reader that the teaching evaluations used were carefully and fairly obtained by the department or campus and that the process was free of bias or influence by the candidate.

From the Trustee Docket

Appropriation

(Continued from page 1)

with that of the students." From 1972-73 the tuition has increased 116 percent, inflation 93 percent and the state's appropriation 62 percent.

"In requesting a \$1,918,000 increase in state funds for medical education," Dr. Oswald noted, "appropriation support for medical education has not increased since 1971-72 and the burden of increased educational costs has fallen largely on the medical students."

Tuition for medical students has gone up 483 percent in that time from \$1,000 to \$5,829 per year — making the College of Medicine's tuition among the highest for

public universities in the United States. "No tuition increase is proposed for medical students," Dr. Oswald added.

The proposed budget assumes that new program initiatives "essential to the University's vitality" principally will be provided through internal resource reallocation, or from non-state sources, he added.

The total appropriation request of \$149,806,000 is an increase of 12 percent over the 1981-82 appropriation and includes \$4,814,000 for the Milton S. Hershey Medical Center, an increase of \$1,918,000 in state funds. The per capita allotment for medical students would increase to \$12,407 from \$7,465.

Dr. Oswald emphasized that a potential problem with funding the State

Employees' Retirement System (SERS) may affect Penn State's appropriation request in a most serious way and calls for some special actions to resolve.

"A recent actuarial study of SERS indicates that a significant increase in the employer's contribution rate may be essential to maintain the fiscal integrity of SERS," Dr. Oswald noted, adding: "An increase of as much as 25 percent, from 14.41 to 18.02 percent in the University's contribution, is being considered for 1982-83. The impact of such a single-year increase in our general funds budget would be \$5.4 million.

"If such were to occur, an increase in State appropriations of 4 percent would be needed just to offset the increased retirement costs. In a period of severe

fiscal stringency, the magnitude of such an increase in retirement costs would be beyond our ability to accommodate.

"If this possible increase materializes, it will be necessary to request more urgently that special consideration of this problem be given by the State as the budget for 1982-83 is prepared."

The Trustees also approved a Capital Program Request to the state for expenditure of \$29,627,000 in 1982-83, the first year of a five-year capital improvement program.

The 1982-83 program includes requests for major renovation of three existing facilities, for some new construction needed for basic services at the various campuses, for construction of a multi-purpose building at Mont Alto Campus, and for major repairs and minor capital improvements necessary to extend the life of existing university facilities, as well as improvements to utility and support systems.

Private giving to University increases over previous year

Private giving to the University increased by more than 19 percent over last year as private contributions for the 1981 fiscal year totaled \$11,438,182, compared to \$9,562,685 contributed in the previous year.

"It's especially gratifying to note that the number of individual gifts increased by nearly 6,000 over last year," Dr. Richard E. Grubb, senior vice president for administration, said. "We've been stressing to our alumni and friends that gifts of all sizes are needed to attain the level of private support required to keep Penn State vital in all respects."

Total gifts numbered 49,951 compared to 44,081 last year.

Gifts by alumni and friends of the University totaled \$3,956,508, up by more than \$800,000 over last year. Corporations and business contributed \$4,055,508, an increase of more than \$550,000 over 1980 levels.

Foundations gave \$1,429,404, approximately \$170,000 above last year's contributions. Deferred gifts accounted for \$515,709, a boost of nearly \$55,000.

Other organizations gave \$1,481,053, an increase of \$265,000.

More than 95 percent of all gifts are used for special purposes specified by the donor. Student aid and enrichment of education programs are two major areas receiving support.

The University's 10 academic colleges, Behrend College, Capitol Campus and the College of Medicine were recipients of \$7,137,667 of the gift monies. Student aid accounted for \$2,479,145 in private giving.

The 17 Commonwealth Campuses received \$244,746 in gifts while intercollege research programs and facilities received \$309,159. Continuing Education received \$229,552, while the University Libraries were given \$36,964. Religious activities were given \$18,956. Miscellaneous other units and activities within the University received \$325,792 in donations.

Unrestricted gifts that may be allocated by the president of the University to areas of high priority where other fund sources are not available totalled \$407,838.

Administration studies sites for new radio transmission towers

Trustees have approved, for purposes of designation on the FCC application, a location for three transmission towers that would be used for the University's proposed public radio station, if the station receives Federal Communications Commission approval.

The towers would be constructed on Farm 106 at the University's Rock Springs Agricultural Research Center, some nine miles west of State College.

Further studies will be made to determine other sites that could be used for the transmission towers.

The University is awaiting a decision by the FCC on an application filed in January requesting a construction permit for the station.

The proposed broadcast facility would operate at a frequency of 820 kilohertz on the AM radio band. Its power would be 50,000 watts during daylight hours and 5,000 watts at night. The coverage area of the station would range from the New York to Maryland borders, east to

Wilkes-Barre and west to Johnstown.

Trustees first authorized establishment of a public radio station in July, 1980, noting that Central Pennsylvania is the only area of the state not reached by National Public Radio (NPR) signals. Erie, Hershey, Philadelphia, Pittsburgh and Scranton all have NPR affiliates.

The station would operate within the Broadcasting Services Division of Continuing Education which also includes WPSX-TV. It would be totally separate from WDFM, the student-oriented radio station, but would cooperate with WDFM in such efforts as programming.

Programming plans are varied. The station would offer credit and informal courses as well as cultural programs and public affairs. In-school services to complement the in-school programming of WPSX-TV would also be offered.

No new University general funds are committed to the proposed station. Funds are to come from private and public sources.

Livestock sale will benefit proposed Agricultural Arena

The fund drive for the proposed Agricultural Arena at the University will take a major step toward a successful finish with a benefit livestock sale Dec. 11 at the Farm Show Building in Harrisburg.

"The major breeding associations in the state are sponsoring this sale, with at least 50 percent of the proceeds designated for the Agricultural Arena project," Richard E. Grubb, senior vice president for administration, said in a report to Trustees on private fund-raising efforts at Penn State.

President Oswald has invited Governor Thornburgh to attend the sale, he added.

"With the able leadership of Trustee Obie Snider and Dean Sam Smith, this project is receiving major attention and support by agriculture statewide," Dr. Grubb added.

The Agricultural Arena is planned as a facility that will host student resident instruction activities in the University's College of Agriculture, such as the annual horticulture show and various animal shows. It also will be available for some use by the general agricultural community in Pennsylvania.

In other fund-raising matters, the newly expanded Penn State Fund Council will hold what Dr. Grubb called a "critical" meeting at University Park Oct. 2 and 3 to

address development efforts needed to help Penn State attain its goals of quality, selectivity and flexibility in the 1980s.

"We need the active support and involvement of council members in identifying potential donors for specific projects, in providing information on special interests of prospective donors and in introducing members of the University administration and faculty to potential donors," Dr. Grubb said.

The Trustees also were told that the Board would receive a recommendation on appointment of a vice president for development later this year. "The search is coming along well, and we hope to recommend a candidate to the Board no later than January," Dr. Grubb said.

He also noted that the University's Office of Gifts and Endowments is planning new emphases and approaches in its efforts to increase private giving to Penn State.

"There is a growing need to increase the University's endowment, and endowments traditionally are funded primarily through deferred gifts," he noted. "Fund-raising firms estimate that 85 percent of endowment monies are from deferred gifts. In summary, 1981-82 will be a busy and I am certain a productive year in fund raising."



United Way

UPDATE

Luncheon to kick off United Way campaign

The 1981 United Way campaign will kick off Thursday, Sept. 24, with a luncheon for University Park campus volunteers.

Keynoting the noon luncheon, to be held at Gatsby's in State College, will be President Oswald and University Park Chairman Charles M. Hosler, dean of the College of Earth and Mineral Sciences. Results of the University's advanced gifts campaign will be announced and

campaign details will be discussed.

Centre County's 28 United Way agencies who benefit from the annual fund raising drive will be represented by Diane Marshall, executive director, Strawberry Fields, and Nada Ottenstein, coordinator, Big Brother-Big Sister Program, Youth Services Bureau. More than 200 campaign associate chairpersons and volunteers are expected to attend. Reservations for the luncheon should be made with the Campus Relations Office, 301 Old Main, Phone: 865-2501, by Sept. 18.

Teacher examinations set

The National Teacher Examinations (NTE) will be administered Nov. 14 in Room 102 Forum Bldg. The scores from the examinations are used by some states for certification of teachers and by some school systems in the selection and hiring of teachers.

Prospective teachers are reminded that registration forms must be mailed to the Educational Testing Service prior to Oct. 19. Information bulletins describing the examination and registration procedures may be obtained in Room 181 Chambers Bldg.

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From the Trustee Docket

Number of new scholarships, awards, loan funds are established

Establishment of a number of scholarships, awards and loan funds has been reported to the Board of Trustees. They include:

A Charles W. Borgerding Scholarship will provide financial assistance to outstanding undergraduate students who have a demonstrated financial need.

The initial principal of the scholarship fund has been received as a gift from Mrs. John F. Hardy, of Alberta, Canada, in honor of her brother, Mr. Borgerding, a 1924 Penn State graduate who lives in Pittsburgh. Mr. Borgerding for many years has been a strong supporter of Penn State.

A Capitol Campus Faculty Women's Club Loan Fund will provide financial assistance in the form of loans to full-time Capitol students who need it.

The initial principal of the fund has been received as gifts from members of the Club. The fund will provide for both long and short-term loans.

A Carpenter Technology Corporation Metallurgical Scholarship recognizes outstanding undergraduate students enrolled in the metallurgy curriculum of the College of Earth and Mineral Sciences.

The initial principal of the scholarship fund has been received from the Carpenter Technology Corporation. Initially, two scholarships will be funded with two additional scholarships being funded for each of the next two years. Thereafter, six scholarships will be funded annually.

The Edith Pitt Chance Award recognizes, on the basis of outstanding scholarship and leadership, undergraduate students

enrolled in the College of Human Development.

Besides the original principal of the award, the fund includes a gift from the College of Human Development Alumni Society. The award was established in honor of the late Mrs. Chace, director of the University's School of Home Economics from 1918 to 1937.

The Palmer Post-Doctoral Fellowship in Molecular Biology has been established to support a post-doctoral fellow in performing original research in molecular biology.

Funding will be made available by a private donor in the form of an annual stipend. The appointment will be made by the dean of the College of Science with the approval of the dean of the Graduate School. The recipient of the fellowship will have earned the degree of doctor of philosophy in biochemistry, biophysics, molecular biology, parasitology or other appropriate related field.

A Penn State Club of Greater Los Angeles Award recognizes outstanding undergraduate students, preferably from the Los Angeles area, who are enrolled or planning to enroll at the University. The initial principal of the award fund has been received as a gift from the Penn State Club of Greater Los Angeles.

First consideration for the award will be given to dependents of members of Penn State's Los Angeles Alumni Club who are enrolled or planning to enroll at the University. Second and third preferences will be given to dependents of Penn State alumni residing anywhere in California and to students whose home addresses of record are in California, respectively.

Scholarships established by the

Pennsylvania Power and Light Company and by the Philadelphia Electric Company will recognize academically superior students enrolled, or planning to enroll full-time in the nuclear engineering, technology curriculum.

Consideration for the scholarships will be given to all such students who have achieved superior academic records or who show promise of outstanding academic success.

A Robert Miklos Memorial Award has been established to recognize annually an outstanding member of the Beaver Campus basketball team. The principal of the award fund has been received as a gift from friends and classmates in memory of Robert Miklos, a 1980 Beaver Campus graduate.

A resident of Hopewell Township, and a 1976 graduate of Hopewell High School, Mr. Miklos earned varsity letters in basketball while a business management major at Beaver. His untimely death occurred as a result of an automobile accident last December.

The Abram W. VanderMeer Loan Fund will aid full-time students enrolled in the College of Education who need financial assistance while student teaching.

Dr. VanderMeer served as dean of the College of Education from 1962 to 1973. The initial principal of the fund has been received as a gift from the College of Education Alumni Association.

Loans will be made to full-time undergraduate students enrolled in the College of Education and working toward teacher certification. Eligibility will be limited to the term in which the student is engaged in student teaching.

Changes in policy approved for scholarships and grants

Trustees have approved changes in policies for establishing scholarship funds and grants-in-aid at the University and revised regulations governing several specific scholarships.

"As the University's private fund-raising program grows, we wanted to develop some umbrella guidelines to help contributors and the University focus on several important priorities," said Richard E. Grubb, senior vice president for administration.

Among the new guidelines are:

— The Trustees approved changing the amount of capital needed to establish an endowed fund scholarship from \$5,000 to \$15,000.

— A sum of \$10,000 or more will allow the donor to establish, in one of several University endowed scholarship programs, a scholarship in the name of a person, organization or program.

— Sums of less than \$10,000 will be accepted for placement without specific designation in existing University scholarship funds.

— Endowed graduate fellowships may be established for contributions of \$20,000 or more.

— Any sum of \$1,000 or more will be

accepted for an annual scholarship or grant-in-aid in the name of an individual, organization or program for as long as the sponsor provides the funds.

Revisions in the criteria governing six specific scholarships also were approved. The six are the Alumni Memorial, the Penn State National Merit, the Penn State National Achievement, the Penn State Scholars and the Renaissance scholarships and the University's General Scholarship Fund.

"The thrust of these revisions is to allow potential donors to provide contributions in the names of individuals and organizations while reducing the need to create additional special interest scholarships," Dr. Grubb explained.

The Trustees' action follows a report submitted by a University Scholarship Study Committee charged with looking at the University's scholarship needs and priorities in the next 10 years.

One of the committee's recommendations is for a \$9 million, five-year fund-raising effort to provide additional scholarship monies to attract twice the present number of incoming freshmen predicted to be dean's list achievers to come to Penn State.

Trustees approve purchase of land

Trustees have authorized the purchase of approximately 18 acres of land adjacent to Penn State's Southeastern Field Research Laboratory at Landville.

"Purchase of the property will make available to the University badly needed additional research land," said Robert A. Patterson, senior vice president for

finance and operations. Moreover, he said, an adjoining stream will provide irrigation water for crop research.

The 18 acres are to be purchased from Garry L. and Mary E. Longenecker of Rapho Township, Lancaster County, at a cost of not less than \$15,000. Federal agriculture funds will be available for the purchase.

Mr. Patterson said the University also will be able to lease an adjoining eight acres temporarily.

Enrollment is reported higher in Fall Term

Preliminary enrollment figures for Fall Term, 1981, show an increase of 984 over the same period last year, according to a report issued to Trustees.

Total enrollment as of Sept. 8 was 51,162, including 32,717 at University Park, 16,723 at the Commonwealth Campuses, and 1,722 at Behrend College. Figures for the same period last year showed a total of 50,178, with 31,807 at University Park, 16,677 at Commonwealth Campuses, and 1,694 at Behrend.

Baccalaureate degree enrollment at University Park was 27,658, an increase of 1,034 over 1980. Graduate enrollment showed a slight decline from 4,610 to 4,572.

Commonwealth Campus baccalaureate enrollments increased 119 from 9,051 to 9,170. Associate degree enrollments jumped by 392 to a total of 4,045.

The report does not include figures from Capital, Hershey and Radnor where registrations were not yet completed.



Sean Kuklewski, a 13th term architectural engineering student, places a sticker over a thermostat in the Liberal Arts Tower that reminds people of the authorized temperature settings in University buildings. The Executive Energy Conservation Committee authorized placing 2,000 of the stickers near thermostats at University Park that control both air conditioning and heating in rooms.

From the Trustee Docket

Majors in health education and sociology added to curriculum

Two new majors have been added to the University's academic curriculum.

Provost Eddy told Trustees the additions are designed to meet student needs and will require no additional University funds.

The first is a major in health education leading to a bachelor of science degree. It is designed to blend a liberal arts education with the professional courses needed to certify students as teachers of health education.

"Recent shifts in national health policy toward prevention of disease and promotion of health have resulted in a need for highly trained school health educators," Dr. Eddy noted.

The program, he added, will allow students with a specific interest in health education, but not physical education, to pursue goals in this direction. As such, it will complement the existing major in health and physical education.

The program has been reviewed and endorsed by the College of Education and

meets the needs for teacher certification in Pennsylvania.

The second, a major in sociology leading to a bachelor of science degree, is designed to provide opportunities for developing analytical and technical knowledge and skills necessary for employment in private and public organizations and agencies.

"The existing major in sociology leading to a bachelor of arts degree accommodates a wide range of student interests. The B.S. degree program is offered specifically for students who want to become social research analysts in organizations doing work in applied sociology," Dr. Eddy observed.

With the emergence of several applied fields in sociology — including demography, gerontology, criminology, juvenile delinquency, industrial sociology, urban problems and health — the need for graduates with quantitative skills has increased, he said.

Messrs. Feldstein and Peters join Penn State Fund Council

Jay H. Feldstein and Ralph E. Peters have been appointed to three-year terms on the Penn State Fund Council.

The Council advises the Trustees and the President of the University on all matters related to private fund-raising. Private contributions to Penn State are used to enrich those areas of the University that do not receive state support.

"The addition of these two active Penn State alumni is important to the Council," said Richard E. Grubb, senior vice president for administration. "This brings the Council's membership to 48, the largest it has been since its founding in 1974."

Mr. Feldstein is president of the

Pittsburgh law firm of Feldstein, Grinberg, Stein and McKee. A 1959 Penn State graduate, he served as student government president.

He has just completed a term as president of the 50,000-member Penn State Alumni Association. Part of his duties in that position involved serving on the fund council as an ex-officio member.

Mr. Peters, a 1948 Penn State graduate, is president of Berger Associates, Inc., a firm of architects, engineers, economists and planners headquartered in Camp Hill.

He is chairman of the University's Capitol Campus Board of Advisors and was named an Alumni Fellow by Penn State's College of Business Administration in 1979.

Academic changes noted for Capitol

Several changes and additions to the academic curriculum at the Capitol Campus have been reported to the Trustees.

Provost Eddy said the changes were due to a recent reorganization of the academic divisions at the campus, which he said has resulted in a more efficient structure while retaining all previously existing academic programs.

The largest change to the curriculum is the development of a new major in behavioral sciences from the former major

in social sciences.

A new major in public policy — to prepare students for formulating and implementing such policy — has replaced the option in public policy previously included in the major in social science.

A new management option has been added to the major in business administration. It is designed for students who desire a concentration in various aspects of business management.

Also changed was the former business administration option which is now the major in business administration. The name was changed at the request of the program faculty members to reflect better the nature of the program.

Buildings are renamed at Ogontz Campus

The renaming of two buildings at the Ogontz Campus has been approved by the Board of Trustees.

The Science Building now will be called the Conference Center. The name change reflects the nearly-completed renovation

of the building which will be used as a conference center for continuing education and other activities.

The Military Science Building will be called the Spring House. The oldest building on campus, it was constructed in 1919 as a spring house for storing food. Presently unoccupied, it is scheduled for renovation and will provide space for offices, a galley and meeting space.

McKeesport gets parking

Trustees have approved a plan to construct 80 additional parking spaces at the McKeesport Campus. The cost of construction is not to exceed \$189,000, and

will be covered by user fees.

The project, undertaken to enable the campus to increase its Continuing Education program offerings, also will relieve a shortage of student parking areas.

Scholars Program grows, marks successes during first year

The University Scholars Program, launched last fall to enhance academic opportunities for outstanding students, has grown to include some 800 students.

"In a very real sense, the success of the program is reflected in the large number of students who accepted our invitation to participate," Paul Aust, program director and professor of mathematics, told Trustees.

"The success of the program indicates clearly that Penn State's best students want special challenges and do not shy away from high level, demanding academic work."

The University Scholars Program is intended to enable the University's top students to enrich and broaden their general educations and to deepen and accelerate their specialized preparations for graduate study or a profession. It is —

or soon will be — available at all of the Commonwealth Campuses.

The program, approved by the University Faculty Senate after considerable study, offers qualified students the opportunity to do honors-level work in general courses in their first two years and highly specialized honors-level work during their junior and senior years.

In addition to providing Penn State's outstanding students with the University-wide opportunity to do honors-level work in any department, Dr. Aust said the program offers benefits to all University students.

"The University Scholars serve as an active influence and model for other students, thereby helping, in time, to raise the level of intellectual life and to improve the intellectual climate among all undergraduates."

Trustees approve proposals for changes in University property

Trustees have approved three proposals for changes to University property.

Approved was construction of an addition to the First Aid Building at Beaver Stadium. Robert A. Patterson, senior vice president for finance and operations, said four additional patient stations will be built for use during football games and other events. The addition was required, he said, because of recent stadium expansions, which increased the seating capacity by more than 14,000.

Approval also was given for construction of a pre-fabricated, timber-column building near the University's beef and sheep barns for the use of the Joseph Valentine Turfgrass Research Center. The building will provide storage and maintenance space for the heavy machinery used in turf research.

In other action, Trustees approved the return of a 91.5-acre tract of land in the

Rothrock State Forest of Huntingdon County to the Commonwealth of Pennsylvania.

Known as Beaver Dam, the land was deeded to the University in 1953 by the then-Department of Forests and Waters for a joint venture by what were then the Schools of Agriculture, Education, Home Economics and Physical Education.

These schools were to have constructed a model camp for use in instructing students in camp administration, dietetics and outdoor education. Because the plans for the camp did not come to fruition and because similar functions now are served by the University's Stone Valley Recreation Area, Penn State is returning the Beaver Dam property to the state as required by the original deed.

Specifically, the land is being returned to the Bureau of Forestry in the Pennsylvania Department of Environmental Resources.

Behrend College has three new majors

Three new majors, including one created through revisions to an existing program, have been added to the academic curriculum at Behrend College.

Provost Eddy told Trustees the new majors lead to bachelor of science degrees in communications, history and physical science.

The first new major, leading to a B.S. degree in communications, emphasizes

study of science and professional writing. It will prepare students for careers in the rapidly expanding field of technical writing.

The second new major leads to a B.S. degree in history. It will provide a combination of traditional history courses with training in statistical and computer-assisted analytic techniques.

The third new major leads to a B.S. degree in physical science. It offers a solid background in physics, chemistry, geosciences and mathematical science, and is an extensive redesign of Behrend's existing major in applied science.

Advisory search group named for Shenango

An Advisory Search Committee has been appointed by President Oswald to assist in identifying candidates for director of the Shenango Valley Campus.

Four persons from Shenango Valley will serve on the committee. They are John C. Tamplin, instructor of English,

chairperson; Shirley Snyder, senior assistant librarian; W. Murray Small, assistant professor of metallurgy, and Diana Thomas, president of the Shenango Valley Campus Student Government Association.

Other committee members are: Peter D. Bennett, professor of marketing; Caroline D. Eckhardt, associate professor of English and comparative literature; Daniel T. Hopkins, assistant vice president of the Commonwealth Educational System, and Jacqueline L. Schoch, director, DuBois Campus.

Announcements of the reopened search have been advertised nationally through the summer. Faculty and staff interested in submitting nominations or applying for the position should do so by Sept. 30. Applications and letters of nomination should be directed to Dr. Robert J. Scannell, Commonwealth Educational System, 111 Old Main, University Park, PA.

'Literature option' is new name for major

The literature option is the new name for what was called the language and literature option in the English major at the University.

Provost Eddy said the change has been made to correct a "long-standing discrepancy" in the option's title and its actual focus.

Penn Staters

Dr. Paul H. Cutler, professor of physics, and **Dr. Nicholas M. Miskovsky**, assistant professor of physics at Altoona, are co-authors of two papers presented at international meetings.

In July, they presented a paper, "Space Charge Effects in Liquid Metal Ion Sources of Different Geometries," at the 28th International Field Emission Symposium at the Oregon Graduate Center for Study and Research in Portland, Oregon.

Last month, they presented another paper, "Responsivity and I-V Characteristics of MVM and MOM Point-Contact Infrared Detectors," at the Open Symposium on Millimeter and Submillimeter Waves held at the 20th General Assembly of the International Union of Radio Science in Washington, D.C.

Dr. Greg N. Frederickson, assistant professor of computer science, presented an invited talk, "Probabilistic Analysis of the LPT Processor Scheduling Heuristic," at the NATO Advanced Research Institute in Durham, England. He also presented seminars at the University of Edinburgh and the University of Warwick on his work on implicit data structures for the dictionary problem.

Dr. Dorothy V. Harris, professor of health and physical education and director of the Center for Women and Sport, has been re-elected to the managing council and as

treasurer of the International Society of Sports Psychology.

Dr. Ralph T. Heimer, professor of education, presented a paper on "Basic Principles for the Design and Development of Courses to be Delivered by Computers" at the 3rd World Conference on Computers in Education, held in Lausanne, Switzerland. Prior to the conference, Dr. Heimer visited the Free University of Berlin, where he gave an invited lecture and demonstrations dealing with uses of microcomputers in instruction.

Dr. James P. Ignizio, professor of industrial and management systems engineering, is author of a textbook, *Linear Programming in Single and Multiple Objective Systems*, published this month by Prentice-Hall. The 525-page book addresses the conventional methods of linear optimization and the newer and highly flexible techniques of multiple objective mathematical programming.

Dr. Robert G. Jenkins, assistant professor of fuel science, has been appointed director of the University's Fuels and Combustion Laboratory. He had been serving as acting director.

Dr. Jenkins has a B.Sc. and a Ph.D. in fuel science from the University of Leeds, Leeds, England. He first worked for Penn

State as a research associate from 1970 to 1973 and then returned to England where he was a research assistant at the Imperial College of Science in London. He returned to the University staff as a senior research associate in fuel science in 1975. In 1978, he was named assistant professor of fuel science.

The Fuels and Combustion Laboratory is the site of extensive sponsored research into the efficient and economical combustion of coals and liquid and gaseous fuels. Included is work on the gasification and liquefaction of coal.

Dr. Jaan Kiusalaas, professor of engineering mechanics, has been honored by the National Aeronautics and Space Administration for work done jointly with the George C. Marshall Space Flight Center in Huntsville, Ala.

Dr. Kiusalaas received a certificate and cash award from NASA for a finite element computer program that both analyzes and does structural design. The program, prepared with the help of graduate student G. B. Reddy, permits the designer to find in his design version, evaluates the design and produces a better one, lighter in weight but equally strong. The completed program has been released by NASA through COSMIC, the Computer Software Management and Information Center.

Dr. Robert E. Newnham, professor of solid state science, has been elected to a three-year term as vice chairman of the U.S. National Committee on Crystallography, sponsored by the National Academy of Sciences.

Dr. Newnham also gave one of the

primary lectures at the International Union of Crystallography Congress in Ottawa, Ontario, Canada, speaking on "Crystallographic Engineering — the Design and Construction of Non-equilibrium Crystal Structures for Engineering Applications."

Dr. Howard B. Palmer, professor of energy science and associate dean of the Graduate School, has been appointed by the National Research Council to its Evaluation Panel for Chemical Engineering.

The panel is responsible for an annual appraisal of the National Bureau of Standards' Center for Chemical Engineering.

Dr. G. P. Patil, professor of mathematical statistics, was an invited speaker at a session on Dynamics of Exploited Populations at the annual meeting of the American Statistical Association.

He presented his ongoing joint research with Dr. Charles Taillie on the "Statistical Analysis of Recruitment Data for Eighteen Marine Fish Stocks." Dr. Taillie is research associate in the Department of Statistics on a continuing project sponsored by the National Marine Fisheries Service of the U.S. Department of Commerce.

Dr. Wilbur Zelinsky, professor of geography, was one of four planetary speakers at the 14th International Congress on Onomastic Sciences at the University of Michigan.

Onomastics is the study of names. Title of his talk was "By Their Names You Shall Know Them: An Onomastic Approach to the American Land and Ethos."

Faculty workshop series scheduled

A workshop series for faculty on the theme, "Communication: The Faculty-Student Connection," is being sponsored by the Instructional Development Program.

During Fall Term, the series will focus on Classroom Communication Skills for Teachers. The first workshop is scheduled at three different times — 1-2:30 p.m. Sept. 22; 3-4:30 p.m. Sept. 23, and 1-2:30 p.m. Sept. 24 in Room 305 Hetzel Union Bldg.

It will feature a presentation by Dr. Douglas J. Pedersen, associate professor of speech communication, and Maryellen Gleason, of the Instructional Development Program. A one-hour reaction session will be held following the workshop. In addition, the services and activities available through the recently reorganized Instructional Development Program will be previewed.

A brochure which describes the workshop series and provides subsequent dates and locations for sessions at University Park and the Commonwealth Campus is available in the Instructional Development Program office, 307 Grange Bldg. Faculty members interested in attending the first workshop should contact the program office, 863-2599.

Trustee's slide show scheduled in Keller

"The Faces of Tibet," a color slide show of the photography of H. Thomas Halliwell, will be presented at 7:30 p.m. Monday, Sept. 21, in Keller Auditorium. The presentation previously had been scheduled for the Materials Research Laboratory Auditorium.

Mr. Halliwell, a member of the University's Board of Trustees and chairman of the board of Standard Pressed Steel Co., Jenkintown, will show slides taken on a trip to Lhasa, Tibet, in 1980.

Promotions

Staff Exempt

Sharon Sefchick to administrative assistant in Intercollege Research Programs.

Staff Non-Exempt

Jeffrey C. Sanders to senior research technician.

Clerical

Pamala A. Kennedy to secretary C in Human Development.

M. Elaine Moore to secretary B in Business Administration.

Sandra S. Wallish to secretary B at Hershey.

Patricia E. Yoderto secretary B in Health, Physical Education and Recreation.

Technical Service

Kirk Barger to maintenance worker, trees and shrubs in Physical Plant.

Charles Boonie to maintenance worker utility in Physical Plant.

Terry Brungart to maintenance worker utility in Physical Plant.

Chester Butler to maintenance worker utility in Physical Plant.

Carlton Lucas to stock truck driver in Physical Plant.

Joseph E. Martin to dining hall worker A in Housing and Food Services.

George Shouney to maintenance worker utility in Physical Plant.

Daniel Williams to maintenance worker general C in Physical Plant.

Parting

Anthony M. Miranda, instructor in German at McKeesport, left the University Sept. 1. He had been a member of the faculty since April 1, 1969.

Obituaries

Oliver D. Burke, who retired July 1, 1963, as professor of plant pathology Extension, died Sept. 9 at the age of 83. He joined the faculty Dec. 1, 1935, as assistant professor of plant pathology Extension. He was promoted to associate professor in 1943 and to professor in 1946.

Lawrence E. Harman, biological aide in the College of Agriculture, died Sept. 8 at the age of 60. He joined the University staff Dec. 1, 1966, and retired July 1, 1978.

Carpooler

Debra Lauder would like to share the driving from the Warriors Mark-Seven Stars area to the University. She works from 8 a.m. to 5 p.m. She can be contacted at either 865-0465 or (814) 632-8562.

President Oswald to speak at building dedication

The new Library-Learning Center at the Delaware County Campus will be dedicated in formal ceremonies at 2 p.m. Sunday, Sept. 27.

Featured speaker will be President Oswald. The program will be followed by an open house, featuring tours, exhibits, refreshments and musical entertainment by the Darlington Chamber Quartet.

The \$2.5 million structure, constructed by the Department of General Services, is the second major building at the campus. It was completed in November, 1980, and occupied in January, 1981.

The building has a seating capacity of 690 persons and can accommodate approximately 50,000 volumes. Besides reading and stack areas, it contains special collection rooms, offices, student activities area, classrooms, seminar rooms, and an audiovisual center.



Delaware County Campus Library-Learning Center.

University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

September 17-27

Special Events

Thursday, Sept. 17
Late registration deadline.
Add deadline.
Graduate Commons Plant Sale, 10 a.m., Kern Lobby, through Sept. 18.
Penn State Internationale Dancers meeting, 7-9 p.m., Room 132 White Bldg.

Friday, Sept. 18
Commonsplace Theatre, *Ordinary People*, 7 and 9 p.m., Room 112 Kern.
GSA Coffeehouse, 8 p.m., Room 102 Kern.
Sports: women's volleyball vs. Georgetown, 8 p.m.

Saturday, Sept. 19
France-Cinema, Beresford, *Breaker Morant*, 7 and 9 p.m., Room 112 Kern.
Saturday morning art classes begin, 9 a.m., Room 101 Chambers Bldg.
Basic sailing course begins, 9:30-11:30 a.m., Stone Valley Recreation Area. Course continues Saturday mornings through Nov. 7. Information and registration, 863-0762.
Sports: women's volleyball, Penn State Invitational; women's tennis vs. Syracuse, 10 a.m.; men's cross country vs. Alumni, 10:30 a.m.; women's cross country, Lady Lion Invitational, 11 a.m.

Sunday, Sept. 20
Commonsplace Theatre, *Ordinary People*, 7 and 9 p.m., Room 112 Kern.
Basic sailing course begins, 9:30 a.m.-12:30 p.m., Stone Valley Recreation Area. Course continues Sundays through Nov. 8. Information and registration, 863-0762.
Sports: women's tennis vs. Colgate, 10 a.m.; baseball vs. Mansfield (DH), 1 p.m.

Monday, Sept. 21
Deadline for November graduates to pay thesis fee at Bursar's Office and to activate diploma cards in Records Office.
LAHS research fellowship applications, 5 p.m., Ihlseng Cottage.
France-Cinema, Beresford, *Breaker Morant*, 7 and 9 p.m., Room 112 Kern.

Color Slide Club, 7:30 p.m., Keller Auditorium.
H. Thomas Hollowell, Jr., slide presentation of a trip to Tibet.

Tuesday, Sept. 22
Instructional Development Program workshop for faculty, "Classroom Communication Skills for Teachers," 1-2:30 p.m., Room 305 HUB.
Artist Series, The Juilliard String Quartet, 8:30 p.m., Schwab Auditorium.
Electro-Optics Laboratory Open House, noon-8 p.m., Room 18 Electrical Engineering East. Demonstrations of holograms, interferometry, lasers and optical processors.
Sports: soccer vs. Lock Haven, 3 p.m.

Wednesday, Sept. 23
Commons Concert, Stan Shepherd, noon, Kern Lobby.
Instructional Development Program workshop for faculty, "Classroom Communication Skills for Teachers," 3-4:30 p.m., Room 305 HUB.
Nursing Consultation Center, "Coping with Multiple Sclerosis," 3-4:30 p.m., Consultation Center.
Artist Series, Mark Medoff, *Children of a Lesser God*, 8:30 p.m., Eisenhower Auditorium.
Sports: baseball vs. Lock Haven, 3 p.m.

Thursday, Sept. 24
Pass-Fail.
Fixed date for meetings involving Commonwealth Campus faculty.
Instructional Development Program workshop for faculty, "Classroom Communication Skills for Teachers," 1-2:30 p.m., Room 305 HUB.
Commons Film Series, *Planet of the Apes*, 7 and 9 p.m., Room 112 Kern.
Sports: field hockey vs. Lock Haven, 3:30 p.m.

Friday, Sept. 25
Pass-Fail.
Fixed date for meetings involving Commonwealth Campus faculty.
Craft Demonstration, 11:30 a.m., Kern Lobby.
Commonsplace Theatre, *Stunt Man*, 7 and 9 p.m., Room 112 Kern.
Sports: soccer vs. West Virginia, 7:15 p.m.

Saturday, Sept. 26
Fixed date for meetings involving Commonwealth Campus faculty.

France-Cinema, Bunsel, *The Discreet Charm of the Bourgeoisie*, 7 and 9 p.m., Room 112 Kern.
Sports: field hockey vs. Connecticut, 1 p.m.

Sunday, Sept. 27
Commonsplace Theatre, *Stunt Man*, 7 and 9 p.m., Room 112 Kern.

Seminars

Thursday, Sept. 17
Ceramic Science 500 Seminar Series, 11 a.m.-noon, Room 301 Steidle Bldg. Dr. W. B. White, professor of geochemistry, on "Sulfide Ceramics for Optical Window Applications."
Economic Seminar, 3 p.m., Room 101 Kern.
Mordechai E. Kravner, professor of economics, Michigan State, on "International Competitiveness of the U.S. Auto and Steel Industries."
Physics Colloquium, 3:50 p.m., Room 117 Osmond Laboratory. D. Edwards, Ohio State University, on "Spin-Polarized Hydrogen."
Fuel Science Seminar, 4p.m., Room 301 Steidle Bldg. Dr. Ralph Yang, SUNY-Buffalo, on "Electron Microscopy Studies of the Carbon-Oxygen Reaction."

Friday, Sept. 18
Seminar sponsored by the Center for the Study of Higher Education, German and Political Science Departments, 10:30 a.m., Room 101 Kern. Professor Gerd Grieser, M.D., president University of Kiel, Germany, on "German Universities Today."
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker Bldg. Peirce Lewis, professor of geography, on "Images of the American Landscape: Art as a Reflection of National Personality."

Wednesday, Sept. 23
James Kollias Memorial Lecture, 2:30 p.m., Room 121 Noll Laboratory. Albert B. Craig, Jr., M.D., professor of physiology, University of Rochester School of Medicine, on "World Records: What Do They Tell Us?"

Thursday, Sept. 24
Ceramic Science 500 Seminar Series, 11 a.m.-noon, Room 301 Steidle Bldg. Dr. A. Badzian, UNITRA, Warsaw, Poland, on "Synthesis and Crystal Chemistry of Diamond-like Materials."

Physics Colloquium, 3:50 p.m., Room 117 Osmond Laboratory. W. Plummer, University of Pennsylvania, on "Photoemission from a Nearly Free Electron Metal."
Fuel Science Seminar, 4p.m., Room 301 Steidle Bldg. Dr. Douglas McKee, General Electric Co., on "Catalysis of Carbon Gasification."

Friday, Sept. 25
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker Bldg. John L. Frantz, associate professor of American history, on "Religion in the Middle Colonies: Model for a Nation."
Electrical Engineering Seminar, 4 p.m., Room 123 Electrical Engineering East. Dr. D. J. DiMaria, IBM Yorktown Heights, on "Electrically Alterable Memory — Insulator-Poly Silicon Physics and Performance."

Exhibits

Kern Gallery: open Monday through Saturday, 8 a.m.-11 p.m.; Sunday, noon-11 p.m.
Slavic Art Exhibition, through Sept. 23.
Dorothy Behringer, eggery, through Sept. 24.
Jim Dupree, paintings, Janis Mershon, weavings; Linda Newby, leather jewelry, opens Sept. 24; Ziggy Coyle, clay, opens Sept. 25.

Museum of Art: open 11 a.m.-4:30 p.m.
Closed Mondays. Tours, Sundays, 1:30 p.m.
Hemline, Neckline, Streamline: Women's Fashions 1890-1940 from the collection of Beverly Birks. African Sculpture from the Museum's collection, through Sept. 20. An Overview of the Permanent Collection, through Sept. 27. Oriental Works from the Museum's Collection, opens Sept. 27.

Pattee Library: Charles Helligsworth, paintings, East Corridor Gallery. Naomi Gallagher, paintings, through Sept. 18. Travels in Greece: Ink Wash Drawings by Wendy Snetsinger, opens Sept. 18. Lending Services Lobby. Bess Gompkowski, relief sculpture, Second Floor East. Highlights from the Allison-Sheley Collection, Rare Books Room.

Visual Arts Bldg. Zoller Gallery
Gallery Hours: 9 a.m.-5 p.m., Monday through Friday. Saturdays and Sundays, noon-5 p.m.
Josef Svoboda, work in theatre design, through Sept. 26.

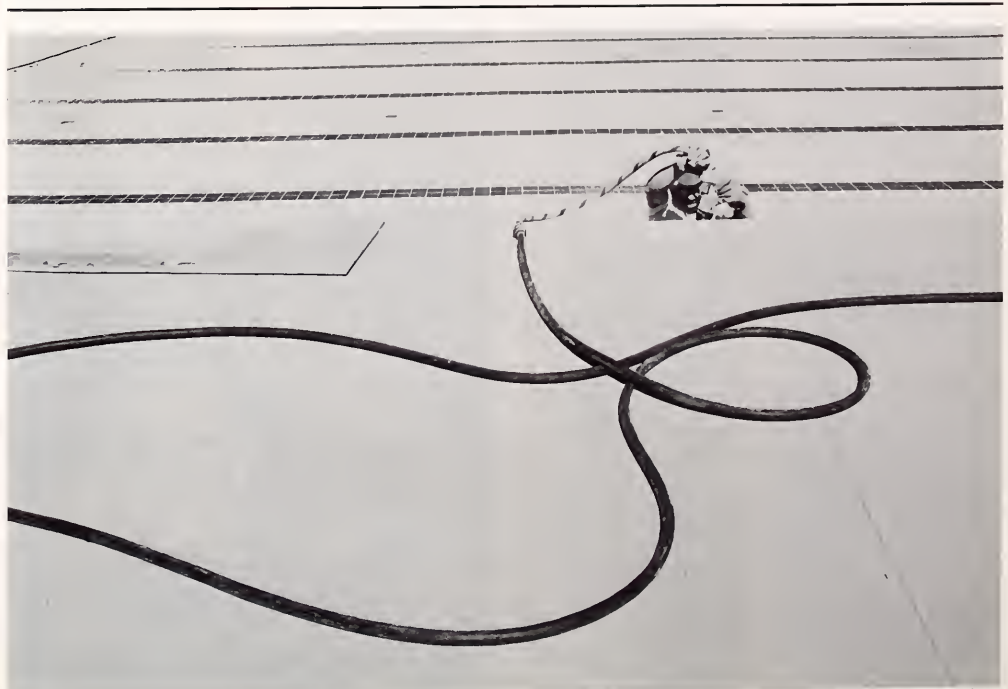


Photo: Scott Johnson

It's not Spiderman snaking his way up a building, but a workman making repairs to the University's outdoor swimming pool.

Safety manager directs emergency readiness at Beaver Stadium

Darkness brings a frosty chill to Beaver Stadium on autumn evenings. It also brings an eerie silence.

But on football Saturdays, Howard O. Triebold Jr. and several other volunteers patrol the grounds and surrounding open fields long after the other fans have gone home.

"We come early and stay late," says Mr. Triebold, Penn State's safety manager and chief of the University's 90-member emergency squad.

With 83,000 fans on hand for the average home game, Beaver Stadium becomes a medium-sized community, with all the individual dramas that might occur in any town of that size on a given afternoon. The emergency squad, made up of trained volunteers, offers medical help and other services at football games and other Penn State events.

"In September, we treat heat exhaustion; in November, frostbite," Mr. Triebold says. "Our job is to make certain that fans in need of help receive it promptly."

The stadium's emergency room has six beds. During the average game, from 20 to 25 people are treated. Last year, one woman became very ill after eating a piece of cake that contained vegetable oil, to which she was allergic.

"She was really in bad shape at first," says David Lindstrom, a supervisor on the squad, "but following emergency treatment, she was able to return to her seat and watch the rest of the game."

The squad is often busiest on Homecoming Saturdays. Those games draw an older crowd. There is more excitement. And more people overindulge in alcoholic drinks.

"No matter how good our emergency squad is, it can't provide an antidote to alcohol abuse," says William Eck, associate professor of health education. Dr. Eck serves on the board of directors of

the National Council on Alcoholism and is co-director of Penn State's Total Alcohol Awareness Program. He also is chairman of a committee that deals with alcohol-related problems at Beaver Stadium games.

A significant number of the accidents and illnesses that occur at each game are related to alcohol use. With the support of football coach Joe Paterno, Dr. Eck and his associates sent a letter this year to all season ticket holders, urging them to support the University regulation that prohibits alcoholic beverages in the stadium. A similar letter was mailed last year.

In addition, the committee placed a coupon for fans to fill out, to identify problem areas in the stands, in last year's football program. A similar coupon is in use this year.

"It's just a small minority of people who are causing the problem," Dr. Eck says. "They think alcohol will keep them warm on a cold day, which isn't true, or that it won't affect their perception of the game. People who drink too much ruin the game for themselves and for others around them. The activities of our committee are all part of the goal of making the games more enjoyable for everyone."

"We've seen a lot of sad experiences that could have been avoided if somebody hadn't been drinking," Mr. Triebold adds. "It's really frustrating for us to see these things happen so needlessly."

"Because there are people watching out for others," adds Mr. Lindstrom, "a lot of would-be tragedies don't happen at the stadium."

Heart-related problems are one of the most serious problems the emergency squad encounters. There are usually several coronaries in a season, some serious.

"We wish we didn't have any, of course," Mr. Triebold says, "but actually we can provide care to these victims in



John Grove scans Beaver Stadium for potential problems.

Photo: Scott Johnson

Beaver Stadium probably more quickly than they could receive it anywhere else."

Everyone who serves on the emergency squad has had medical training that is regularly updated. The squad includes first aid personnel, emergency medical technicians, paramedics and three physicians from the Hershey Medical Center.

In addition, there are three cardiac care stations, with equipment for serious emergencies, and three ambulances standing by. ROTC personnel man walkie-talkie radios to call for help when it is needed. Some volunteers on the squad are Penn State students or faculty or staff

members. Others have no University connection.

"We have one group that comes all the way from Selinsgrove," Mr. Triebold notes. "And there's a paramedic, a former student, who comes from Pittsburgh."

Wearing white helmets so fans will know where they are, squad members divide into pairs and scan the stands for signs of trouble.

"You can always tell when something has happened," Mr. Lindstrom says. "First, all the heads in the area turn toward the person who needs help. Then they turn — almost in unison — to look for a white helmet."

Faculty Senate

(Continued from page 2)

In addition, the Senate agreed to retain the present 10-day add period and the present 21-day drop period.

The Calendar Conversion Council, represented by its chairman, James B. Bartoo, dean of the Graduate School, reported that it has had nine meetings, each of which involved from 15 to 20 people and lasted for approximately three hours.

Noting that the Council has thus far dealt with eight major issues, Dean Bartoo referred the Senators to the July 9 edition of INTERCOM, which includes all the topics discussed and a centerfold timetable for the conversion process.

He further observed that three topics — summer sessions, faculty contracts and sabbaticals — continue to be of major concern and that committees have been appointed and are at work. Chairmen of the committees, to whom questions and input should be directed, are: summer sessions, Henry J. Hermanowicz; faculty contracts, Richard L. McCarri; and sabbaticals, Wendell V. Harris.

In other business, the Senate heard a legislative report from a special committee on Computer and Informational Systems, which proposed several means by which the University could more efficiently and with more unity utilize its computer and informational systems. Action on the report was deferred until the next meeting.

The Senate also heard informational reports from a special committee on the Freshman Year Experience, its Committee on Academic and Physical Planning and the Committee on Undergraduate Instruction's annual report on the Division of Undergraduate Studies.

Senator replacements announced during the meeting are: College of Business Administration, G. Edward Phillips for John E. Shendan; Behrend College, Roland E. Larson for Chester L. Wolford, Jr.; Capitol Campus, Sandra Prince-Embury for Jacob DeRooy; College of Engineering, William J. Ross for Nunzio J. Palladino; College of Human Development, Arthur H. Patterson for Michael A. Smyer; and College of Liberal Arts, Robert O'Connor for Philip A. Klein.

Funds reported for '80-81 renovations

Improvements and renovations to the University environment and facilities received the largest amount of undesignated funds allocated this past year within the University.

"A total of \$322,542 in undesignated funds was allocated during the 1980-81 fiscal year," Richard E. Grubb, senior vice president for administration, told Trustees.

"Undesignated funds contributed by alumni and friends of the University are allocated by the president of the University to high priority needs when other sources of funds are not available or not appropriate for meeting those needs," he said.

Improvements and renovations of campus environment and facilities were allocated \$88,800 in undesignated funds. Another \$73,679 was marked for equipment purchases. A total of \$63,600 went for support of scholarships and fellowships, while support of academic programs accounted for \$54,463. Enrichment of campus life and culture accounted for \$42,000.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed since the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotions may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Sept. 24, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (FES-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

EMPLOYMENT SPECIALIST, OFFICE OF PERSONNEL ADMINISTRATION, UNIVERSITY PARK Outlets include recruitment, interviewing and placement of applicants with a wide variety of backgrounds and experiences. Assist in filling job vacancies through internal programs of promotion. Assist in determining salaries. Provide information regarding employment policies, procedures and regulations to applicants, employers and supervisors. Prepare reports and records reflecting the activity of the Division. Involves interaction with many levels of administrative, academic and professional staff members. Bachelor's degree, or equivalent, preferably in personnel administration or related fields, plus a minimum of two years related administrative experience.

BOOKSTORE MANAGER, PENN STATE BOOKSTORE, ALLENTOWN CAMPUS Responsible to the director, Penn State Bookstore System, for various functions within the Bookstore, to include purchasing, financial records, and retail operation of the Allentown Campus Bookstore. Determines the quantity of textbooks, associated test materials, supply items and equipment items for each student registration period and assures that necessary items are available at the proper time. Responsible for control of cash, preparation of report of cash receipts. Prepare periodic financial reports. Approve invoices for payment. Supervise one to two part-time employees. High school education plus one

to two years of retail experience. Management experience preferred. Knowledge of retailing principles and experience essential.

ELECTRONIC DESIGNER, COLLEGE OF ENGINEERING, UNIVERSITY PARK Responsible to director, Electronic Design Services, for designing and selecting components for electronic apparatus, establishing calibration facilities, and advising and consulting with electronic users. Associate degree or equivalent in electrical or electronic technology, or military electronics training, plus three to four years of effective experience in electronic design, layout, performance testing and calibration.

COORDINATOR OF FINANCIAL AID, GRADUATE SCHOOL, UNIVERSITY PARK Responsible to the dean of the Graduate School for the overall administration of the Graduate School financial aid program, counseling graduate students, and the development and coordination of financial aid awards within federal, state, private and institutional provisions. Master's degree (or equivalent) in student personnel, higher education, business or public administration, plus two to three years of effective financial aid experience including experience and knowledge of data processing routines as applies to information systems. This was previously advertised as a Fixed Term 1 appointment.

Funding Sources

For further information, call 865-1375

066-1) The Oeefene Department plans to sharply increase its spending in basic research in fiscal 1982 (beginning Oct. 1, 1981). Research spending will not be subject to current budget cuts. A 17 percent increase in research spending at universities is expected, totaling \$519.5 million in fiscal 1982. An additional 12.5 percent increase is anticipated in fiscal 1983. The military plans to move from 40% to 50% the amount of its research done at universities to take advantage of the availability of scientists. Areas of interest include: oceanography, materials research, biological and medical sciences, mechanics and energy conservation, and atmospheric science. (Ref. Chronicle 9/9/81).

Penn State Intercom

University reorganizes UDIS and MLR into new single Division

The University Division of Instructional Services (UDIS) and the Division of Media and Learning Resources (MLR) have been reorganized, to trim administrative costs and expand service to faculty members.

The action was partly the result of an external program review initiated last winter by Dr. Robert E. Dunham, vice president for undergraduate studies. The reorganization was designed chiefly by Dr. Dunham and Dr. Robert J. Scannell, vice president and dean of the Commonwealth Educational System.

"We think this is precisely the sort of thing the University should be doing at this point in time," Dr. Dunham said, in describing the changes. "We've streamlined the operations, but made them better in the process."

"We had two general goals," Dr. Scannell added. "We wanted to provide service more efficiently and to create a situation in which Penn State might become a leader in the rapidly evolving instructional technologies."

The reorganization, Dr. Dunham and Dr. Scannell believe, will eliminate duplication of service in some areas.

Instructional services will be offered to faculty members through three administrative units. They are:

- An Instructional Development Program,
- A University Testing Services and
- A University Division of Learning and Telecommunications Services.

No additional University funding has been provided for the new units.

The Instructional Development Program, Dr. Dunham said, "will serve as a catalyst, providing information on the quality of teaching and learning at Penn State, and offering consultation to faculty members." Its offices are located on the

third floor of Grange Building.

Donald W. Johnson, who will head the program, has been named assistant to the vice president for undergraduate studies. He was formerly director of UDIS.

Among other things, staff members will:

- Maintain up-to-date information on funding opportunities for instructional improvement;
- Publish a monthly newsletter for faculty members;
- Develop activities, such as workshops and discussion sessions, for faculty members;

— Prepare and disseminate a packet of information for new faculty members, alerting them to available services and resources and stressing the importance of quality teaching;

— Identify and put into contact with each other faculty members with similar instructional interests;

— Establish a Faculty Associates Program for faculty members who would work part-time on instructional improvement projects;

— Manage and catalog resource materials in the field;

— Provide, on request, confidential

consultation on teaching topics to faculty members.

Edmonds Marks, formerly head of Undergraduate Studies Research Support, will direct the new University

(Continued on page 3)

Faculty sought for search group

Elected members of the University Faculty Senate Council, at their last meeting on Sept. 22, recommended faculty members to serve on the Presidential Search and Screen Committee.

"From the list suggested by this group, the Senate Committee on Committees and Rules and the Graduate Council, the officers of the Senate will choose a balanced slate of nominees to present to the Trustees," says Nancy M. Tischler, Senate chairman.

She explains that any faculty member who wishes to recommend additional faculty members from University Park or from campuses other than University Park should provide their Senate Council representative with the person's name and a brief description of his or her qualifications before the Senate's next regular meeting on Oct. 6.

"It's important to note that the nominees need not be Senators," Dr. Tischler adds.

The Senate officers will be nominating: two (2) members of the Graduate Council; two (2) faculty members from campuses other than University Park; and four (4) faculty members from University Park.

President takes steps to protect football games' property rights

The University has taken further steps to protect property rights in the broadcasting, telecasting and cablecasting of its football games.

In a letter to Dr. James Frank, president of the National Collegiate Athletic Association (NCAA), President Oswald noted that the NCAA "is without authority as it relates to Penn State at this time to make any contractual commitment for 1982 and subsequent years with any television network to telecast Penn State football games."

Dr. Oswald also wrote to Charles M. Neimas, executive director of the College Football Association (CFA), noting that Penn State elects not to be bound at this time to CFA's agreement with the National Broadcasting Company.

Both the NCAA and the CFA were

notified that they may not, without the written consent of Penn State, "act as agent on behalf of the University with respect to the sale, transfer or other disposition of the property rights of Penn State to broadcast, telecast or cablecast its football games."

"Penn State is taking this action," wrote Dr. Oswald, "so as to have a reasonable opportunity to review carefully the action on amendments at the special convention called by the NCAA in early December."

In an announcement earlier this month, the NCAA said it would hold a special convention Dec. 3-4 to consider

reorganizing the NCAA Division I-A.

Under consideration will be a plan to divide the 137-member division into separate divisions, according to the size and quality of their football programs.

Chairman says Council of Academic Deans is 'one of strongest'



Dean Forth

As dean of the University Libraries, Stuart Forth is well-versed in the sharing of information and ideas.

This year as chairman of the Council of Academic Deans, he intends to facilitate the group's exchange of information and ideas, while maintaining a focus on the Council's primary role: advising the President and Provost about matters regarding University-wide academic policy and matters relating to it.

Based on his experience at three other large public universities, Dr. Forth notes that Penn State's "is one of the strongest group of academic deans" he has known.

"Perhaps the only unique personal trait I bring to the chair of the Council is that I constantly work with all colleges and all Commonwealth Campuses through my administration of the University Libraries," he says.

"This, I hope, gives me a perspective on how the University might best meet the needs and concerns of individual academic units while still meeting University-wide priorities and goals."

Dr. Forth was elected to a one-year term as chairman of the Council by its members, who include the University Provost, the deans of the University's colleges, Commonwealth Campuses, the Graduate School, Behrend College, Capitol Campus and the University Libraries.

The Council, which meets bi-weekly,

normally conducts its business without taking formal votes on issues discussed. Rather, its recommendations are generally arrived at by consensus, with a quorum of nine members required.

"While one of the Council's major functions is to share ideas and discuss issues and policies — which is very important at a University of this size and complexity — the Council does have a clear service function as well," Dr. Forth notes.

That function, he says, is to assist — through its advice — in both establishing and meeting University-wide goals and priorities.

"The Council needs to be kept abreast of the President's views on policy matters and of the various pressures and problems confronting the University so it may initiate, on occasion, recommendations to other units of this complex institution."

"In short, the Council wants to be helpful to the Administration, and to the University Faculty Senate, in any way it can, but especially through creating a positive climate for taking action on important issues," he explains.

One of the most important issues, he says, centers on maintaining and increasing the quality of a Penn State education.

"This is not to say that the University is facing a crisis in educational quality," Dr.

(Continued on page 6)

Speech Communication starts new English language center

The Department of Speech Communication is launching its new Center for English as a Second Language this fall.

Situated in 305 Sparks Bldg., the center is the successor to the former Language Testing Center, whose function ceased in 1979, when the Graduate School adopted the Test of English as a Foreign Language as a requirement for admission and graduation of international students.

The Center for English as a Second Language was proposed by a committee which included representatives of the Graduate School and language departments. It is responsible "for providing English language instruction primarily for international graduate students," says Dr. John Hinds, the new director. "We do this by providing a series of programs."

The Center currently offers three sections of English as a Second Language (ESL): speaking and listening, reading and writing, and a new section — in response to a University Faculty Senate recommendation for international students who intend to become teaching assistants.

Approximately 50 students are enrolled in the three ESL sections this fall. The ESL staff includes one full-time instructor, Gale Duque, and several part-time instructors.

The center also offers the Intensive English Communication Program (IECP), a non-credit, nine-week course for which students spend 25 hours per week in class.

The IECP offers classes on four levels of ability, with a fifth level being planned, Dr. Hinds says.

Another feature of the center is the Conversant Program, in which American students are paired with international students to participate in, and talk about, a wide range of shared activities. The program is operated by work-study students, but the American volunteers come from all parts of the University.

Dr. Hinds says that the Center plans to increase its scope of activity.

"We will be involved in the development of new courses for a master of arts degree in speech communication, with an emphasis in teaching English as a second language (TESL). We'll also be involved in a certification program in TESL for students in other departments."

"In addition, we would like to find ways of serving visiting scholars and faculty members who come to Penn State on exchange programs and want to improve their English proficiency. We also would like to set up innovative, perhaps non-credit, courses for students who cannot take our normal courses for credit."

The Center will try to develop programs similar to the "Intensive English Communication Program for Japanese Teachers" for other nationalities. Now in its 12th year at Penn State, the month-long program immerses Japanese teachers in American culture and prepares them to deal — in English — with various aspects of American life.



United Way

AT WORK

Campaign will begin Sept. 29, end Oct. 2

University Park's 1981 United Way campaign begins Sept. 29 and continues through Oct. 2.

More than 300 University employees have volunteered their time to personally contact the nearly 7,000 employees on behalf of the 28 member agencies of Centre County United Way.

The personal solicitation campaign, initiated in 1980 and resulting in a record contribution of more than \$103,000, is designed to give all employees an opportunity to contribute to the Centre County campaign or the United Way in the area where they live. Contributions can be made by direct payment or payroll deduction.

Each employee will receive a contribution card and brochure describing the Centre County United Way agencies. Completed cards are to be returned to the United Way volunteer in sealed envelopes to safeguard confidentiality of response. Volunteers can supply code numbers for other United Way agencies in the state to

which the money can be directed and answer questions about the United Way program.

In Centre County, Easter Seals is included as one of the member agencies for the first time. The admittance of Easter Seals, a major health agency, is seen as a way to benefit both the agency and United Way by offering a wider range of services funded by one annual campaign.

Other agencies funded in Centre County include Red Cross, Centre County Home Health Service, Association for Retarded Children, Centre Crest Auxiliary, Youth Services Bureau and the Big Brother-Big Sister Program, Community International Hospitality Council, Childbirth Education Association, Rape/Abuse Crisis Center, Skills of Central Pennsylvania.

Centre County Library, Boy and Girl Scouts, Mid-State Literacy Council, Community Alternatives in Criminal Justice, Voluntary Action Center, Society of Crippled Children, Counseling Service, Associated Charities, Transient Fund, On Drugs, Inc., Strawberry Fields Day Camp and the Community Nursing Service of Philipsburg.

Honor society seeks to identify members

The local chapter of Phi Beta Kappa is seeking to identify faculty and staff who were elected to the national honor society as undergraduate or graduate students. They are eligible for membership in Lambda chapter.

Phi Beta Kappa members among the faculty and staff are invited to add their

names to the mailing list of Lambda chapter by contacting one of the secretaries or other members of the Executive Committee: Al Triolo, Italian, president; Roland Good, Physics, and Martha Kolln, English, secretaries; M. Thomas Pigott, Applied Research Lab, treasurer; Catherine Carter, Library, historian; Donald G. Dickson, Admissions, and William Riesser, Industrial Engineering, members-at-large; and Philip Klein, Economics, past president.

Male subjects sought for research project

Neil Vroman, a doctoral student in the Interdepartmental Research Program in Physiology, is seeking subjects to participate in a research project.

The study, part of the PHS-Obesity Grant under the direction of Dr. E. R. Buskirk, director of the Noll Laboratory

for Human Performance Research, will investigate the possible differences between lean and obese men with respect to their physiological responses to physical exercise in the heat.

Criteria for the male subjects include either being *overweight* or *of average weight*, and *physically inactive* (not presently engaged in any form of regular physical activity). Interested persons may contact Mr. Vroman at Noll Lab, phone 865-2432.

From the Trustee Docket

Trustees approve lease renewal at UP airport

Trustees have approved renewal of a three-year lease of land at the University Park Airport to the Centre County Airport Authority.

The land, approximately three acres, is used for the Authority's temporary terminal facilities, including the ticket office, waiting room and vehicle parking lot.

The University first leased the land to the airport authority in 1978. Under the terms approved by the Trustees, the lease renewal is effective through June 30, 1984.

\$25,000 or more to the project has been approved by Trustees.

Construction of the Sports Complex, a project of the Penn State Fund Council, is being supported entirely by private contributions.

The Complex includes a year-round skating rink, a small practice rink and a support building housing meeting rooms, offices, showers and locker rooms.

Trustees approve land purchase at Schuylkill

Purchase of an 0.6-acre tract of land and the house upon it from the Schuylkill County Commissioners has been approved by Trustees.

The property, which adjoins the University's Schuylkill Campus, has been offered at its appraised value of \$17,500.

A safer, more convenient access to the campus from Pennsylvania Route 61 will be built on the property, University officials explained.

Calendar Council approves design of workload study

The Calendar Conversion Council has approved the design of a study to provide information on instructional workload of faculty. Data are to be available this fall.

A joint memorandum has been sent from the Council and the Faculty Senate Curricular Affairs Committee to academic program officers clarifying the procedure for submission of program changes in conjunction with the calendar change.

The Council also is studying the possibility of recommending that courses be renumbered in the semester schedule.

In other business at its Aug. 27 and Sept. 10 meetings, Council:

— Adopted and circulated to the University community principles on which the class schedule for University Park should be based.

— Discussed the problem of the appropriate procedure for learning as soon as possible whether the course offerings planned in 1983-84 will meet programmatic needs of students, can be housed in facilities available, and can be delivered by the existing faculty.

— Heard the Standing Summer Session Committee report it expects to make final recommendations by December. The

committee has been divided into three subcommittees to consider academic programs, budget and fiscal matters, and administrative and management

arrangements of the new summer session. — Received a report from the Faculty Contracts Committee indicating the basic issue is whether a new contractual system for faculty is appropriate. Council was reminded of the University commitment that no faculty salary will be reduced as a function of the calendar change.

— Heard a brief report on the continuing question of adaptation of University data systems to accommodate the semester schedule.

At the invitation of the Council chairman, several committees of the University Faculty Senate have regular representation at Council meetings. Committees normally represented include Academic and Athletic Standards, Academic and Physical Planning, Commonwealth Campuses and Continuing Education, Curricular Affairs, Faculty Affairs, Research, and Undergraduate Instruction.

The Calendar Conversion Council again invites communication from any individual or group within the University community. Council offices are in 304 Old Main, phone 865-0491.

University leads nation in technology degrees

For the tenth consecutive year, the University conferred the most engineering technology associate degrees in the nation last year. According to the Engineering Manpower Commission of the American Association of Engineering Societies, 699 students graduated in 1980 from Penn State's two-year engineering technology programs.

To date this year, there have been 852 graduates of such programs.

The two-year associate degree programs in engineering technology provide training for careers in product design and operations, solar testing and air pollution control, as well as testing, chemical, electrical, highway, mechanical, nuclear, surveying, telecommunications and railway technology.

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Sports Complex areas to be named for donors

A proposal that interior areas of the University's new Indoor Sports Complex be named for donors who contribute

New Division

(Continued from page 1)

Testing Services. He will report to Dr. Dunham.

He and his associates will offer help to faculty and staff members in three general areas: the design, production, processing and administration of tests; the design and processing of machine-read documents and forms; and research and data analysis related to undergraduate studies.

"In particular, help will be offered in such areas as test item writing and editing," Dr. Dunham noted.

UTS also will handle the computerized production of tests for faculty members, and machine-scoring and other forms of

test processing. Staff members will administer, to individuals and groups, selected proficiency and placement tests.

Other services to be offered include:

- Maintaining a Testing Information and Materials Resource Center;

- Analyzing tests used in the Division of Undergraduate Studies' Freshman Testing, Counseling and Advising Program;

- Providing staff support to the University Proficiency and Placement Testing Committee, which reviews proposals for the tests given to all new freshmen.

In addition, University Testing Services will assist with the machine-scanning of student admissions applications, course scheduling forms and other documents.

Its offices are located on the second floor of Mitchell Building.

The University Division of Learning and Telecommunications Services combines the media resources of WPFX-TV and Broadcasting Services with those of the former UDIS, Listening and Learning Services, Audio-Visual Services and Independent Study by Correspondence.

Its director and general manager will be Marlowe Froke, formerly director of the Division of Media and Learning Resources. It will be administered through the Commonwealth Educational System.

The new division is composed of:

- University Graphics Services, directed by Richard S. Rosenfield;
- University Photographic Services, John P. Mertz;

— A Department of

Telecommunications, combining all television and audio production facilities and the programming of WPFX-TV and PENNARAMA, David L. Phillips;

- Independent Study by Correspondence, David Mercer.

(See below for descriptions of the services available to faculty members and students through the University Division of Learning and Telecommunications Services.)

No existing services have been discontinued in the reorganization, Dr. Scannell said. Instead, he said, the three new units should be able to expand services for faculty members at no additional cost.

University's new Division offers services to faculty and students

Editor's Note: Following are brief descriptions of the services available to faculty members and students through the new University Division of Learning and Telecommunications Services:

UNIVERSITY PHOTOGRAPHIC SERVICES

Photographic Services produces slides, filmstrips, copy negatives, and photographic prints. Photographers provide on-location or studio photography for instruction, research and public service. Processing of color slides, black and white film, duplication of slides, mounting, laminating, and the preparation of display prints are included in the services that are available.

Specialized services include slide/sound presentations, high-speed, animation and time lapse cinematography and special effect slides. Consultation on the preparation, production and presentation of photographic materials is available on request. For information about services and costs, contact John Mertz, director, University Photographic Services, 13 Mitchell Bldg., 865-6507.

UNIVERSITY GRAPHICS SERVICES

Artists with skills in graphic design, illustration, cartooning, and art produce custom designed materials for use in instruction, research and public service. The comprehensive visual service includes preparation of: charts, diagrams, technical illustrations, exhibits, displays, animation, television graphics, overhead transparencies, illustrations for research reports, visual presentations for professional meetings. For information about services and costs, contact Richard Rosenfield, director, University Graphics Services, 15 Mitchell Bldg., 865-0421.

AUDIO-VISUAL EQUIPMENT FOR INSTRUCTION

Equipment and operators for classroom use of instructional materials are provided at no cost to academic departments. Equipment is available to handle all formats including film, video tapes, slides, transparencies, and audio. Equipment and operators should be scheduled at least three days prior to their scheduled use. Faculty may choose to pick up and operate the equipment. For scheduling of equipment, contact: Instructional Services for Classrooms, Audio-Visual Services, 26 Willard Bldg., 865-5400. For scheduling of operators, phone 865-6314. At Commonwealth Campuses and other locations, faculty and staff should contact their designated Instructional Services Specialists.

FILMS AND VIDEO FOR INSTRUCTION

More than 15,000 films and videotapes are available for classroom use at no charge to academic departments. Subject area catalogs are available on request, or they may be reviewed in the catalog card file room, Pattee Library, and in the

Commonwealth Campus Instructional Services Offices and Libraries. Free copies for reference are also available at 26 Willard Bldg.

Film catalogs by title that are available on request are: *Documenting Rural America*, *Films about Women*, *Films for Arts and Crafts*, *Films for Business and Industrial Organization and Management*, *Films for Communication for Language Arts*, *Films for Education and Teacher Training*, *Films for Film Study*, *Films for Health, Safety and Physical Education*, *Films for History and Political Sciences*, *Films for Life Sciences*, *Films for Mathematics and Physical Sciences*, *Films for Sociology*, *Films: The Visualization of Anthropology*, *PCR: Films in the Behavioral Sciences*, *Encyclopaedia Cinematographica: Anthropology*, *Encyclopaedia Cinematographica: Biological Sciences*, *Encyclopaedia Cinematographica: Technical Sciences*.

For copies of film catalogs for personal use, call or write: Reference, Acquisition, and Distribution, Audio-Visual Services, Special Services Bldg., 865-3103. For Faculty at University Park, films and videotapes may be scheduled by calling: Scheduling, University Park, 865-6314. Faculty at Commonwealth Campuses and other locations should work through their designated Instructional Services Specialists.

DIAL-ACCESS (Audio)

Audiotape instructional programs and services are available through Dial-Access. The control point for Dial-Access is 10 Pinchot Hall where tapes are placed by faculty for instruction, research, and public service. The tapes may be dialed from more than 150 listening stations on the University Park Campus, including: Pattee Library, Pollock Undergraduate Library, Hammond Building Library, Deike Building Library, 3 Sparks, 15 Pinchot Hall, Rackley Curriculum Materials Center, Leete Hall Reading Room, Leete Hall Language Interest House, Kern Graduate Bldg., HUB Music Room, Ritenour Health Center. For a listing of available audiotape instructional programs and services, and for information about preparation and placement of new materials, call: Audio-Visual Services, 13 Pinchot Hall, 863-1325.

LEARNING CENTERS

Three University Learning Centers for required or suggested audio and visual assignments are available to faculty and students: 6 Sparks Bldg., 301 Business Administration, 10 Human Development Bldg. The Learning Centers are equipped with videocassette players, audiotape players, and other audio-visual equipment. Faculty may place instructional materials in the Centers for use in their courses. For information and assistance call: Audio-Visual Services, 13 Pinchot Hall, 863-1325.

AUDIO PRODUCTION SERVICES

Recording of visiting lecturers and performers are common uses of Audio

Production Services. The tape recordings are then made available for use in the Learning Centers or on Dial-Access. Audio Production Services can also produce audio programs for use in instruction, research, and public service. Services are available for cost of labor and materials. If recordings of lecturers or performers are requested, faculty and academic departments must provide written approvals from the person to be recorded. For information and scheduling, call: David McCarty, Audio Production Services, 865-1993.

TELEVISED INSTRUCTION, MULTI-SECTION COURSES

Interaction between students and teacher in simultaneous multi-section courses is available through televised instruction. Facilities include a television studio in Mitchell Building from which the faculty member teaches. The television studio is connected to 21 classrooms where students gather at the scheduled time. Each classroom is equipped with audio facilities through which the teacher receives and responds to questions. The facilities make it possible to reach up to 700 students at one time, yet provide a small class environment for the student. For information about use of Televised Instruction for Multi-Section Courses, contact: J.D. Carter, Educational Services, Mitchell Building, 865-7548.

INDEPENDENT STUDY BY CORRESPONDENCE

Academic departments and faculty who wish to prepare their courses or individual units of their courses for independent study by their students may consult with course development specialists. More than 200 courses in the Open Learning design are already available. A variety of media may be used, including print, video, audio, slide/tape sets, and others. Because of the complexity of course development, the preliminary consultation is followed by detailed planning and budgeting which involves meetings at the departmental, college, and campus level. For information, call or visit: David Mercer, director, Independent Study by Correspondence, 865-5403, or Gary Miller, assistant director, Educational Services, 865-3637.

OBSERVATIONAL TELEVISION CLASSROOM

Faculty and teaching assistants who wish to observe their classroom presentation techniques for purposes of self-criticism may schedule the observational television classroom in 2 Sparks Bldg. The classroom can comfortably seat a class of 30 or fewer and is equipped with fixed television cameras. A simple studio with controls provides video recording capability. Faculty and teaching assistants may schedule their classes occasionally in the observational television classroom, record the class, and then play back the tape for their own self evaluation. The observational television classroom may also be scheduled by individual faculty or teaching assistants who wish to simulate a

classroom presentation, record it, and then play back the recording for their use. For information and scheduling, call: Audio-Visual Services, 13 Pinchot Hall, 865-1325.

DESK CALCULATOR LABORATORY

A laboratory has been established in Rooms 6 and 7 Sparks Bldg. for use by students in courses that require access to electronic desk calculators. Classes of 28 students or fewer may be scheduled in Room 7 on a regular or periodic basis, and students may study independently in Room 6. Independent study is possible in Room 7 when not scheduled for classes. Calculators available are Monroe Models 1920 and 1930. For information and scheduling, call: Audio-Visual Services, 13 Pinchot Hall, 865-1325.

AUDIO RECORDING

Most of the large classrooms at University Park are connected by line to recording equipment at Pinchot Hall. Faculty may have their classroom presentations recorded for later review by their students through Dial-Access (see description of facilities under Dial-Access). Classrooms from which this service is provided are Electrical Engineering 115B, Buckout 112, Chambers 102, Altitude Laboratory — Auditorium, Eisenhower Auditorium, Mineral Science 26, Forum Building 102, 105, 108, and 111, Osmond Laboratory 119, Schwab Auditorium, Sparks 10, 121, Armsby 215, Borland Laboratory 119, and Chandless Laboratory 112. For faculty who are scheduled in these classrooms and who wish to use the service, call: Audio-Visual Services, 13 Pinchot Hall, 865-1325.

PREVIEW OF INSTRUCTIONAL MATERIALS

Faculty may preview films or video to evaluate their appropriateness in instruction, research and public service. For extended study of films and video, faculty are encouraged to use facilities available at Special Services Building. Previews can also be scheduled for 26 Willard Bldg. or any of the Learning Centers — 6 Sparks Bldg., 301 Business Administration, 10 Human Development Bldg. When requesting previews, please designate the place, time and date. For preview scheduling, call 865-6314.

ACQUISITION OF FILMS AND VIDEO

Films and video for classroom use are acquired by Audio-Visual Services on recommendation of faculty. Through Reference, Acquisition, and Distribution Services, information about available visual materials from all sources in the United States and other countries may be reviewed and recommendations made. Acquisitions will be made based on available funds. For consultation and recommendations on acquisitions, contact: Reference, Acquisition, and Distribution Services, Special Services Building, 865-3106.

Penn Staters

Dr. Z.T. Bieniawski, professor of mineral engineering and director of the Mining and Mineral Resources Research Institute, returned recently from an invited lecture tour in Poland.

Under the sponsorship of the Polish Academy of Sciences and the Technical Universities of Krakow, Wroclaw, and Silesia, he discussed rock mechanics as applied to mining, coal mining research at Penn State, and U.S. methods of graduate instruction. While in Poland, he also visited a number of research institutes and laboratories doing working in mining and tunneling.

Dr. Reginald A. Deering, professor of molecular and cell biology, was an invited speaker at the International Workshop on Gene Expression and Membrane Changes in Cellular Slime Molds sponsored by the European Molecular Biology Organization and the Max-Planck Institute for Biochemistry in Tübingen, Germany. He presented a paper entitled, "DNA Repair in Dictyostelium Discoideum," and participated in a poster session entitled, "Studies Related to DNA Metabolism in D. discoideum." His co-authors for the poster session were Gregory J. Podgorski and Gordon S. Rule, graduate students, and Robert B. Guyer, senior research technician.

Dr. Mary Jane Irwin, assistant professor of computer science, has been named an Association for Computing Machinery (ACM) Lecturer for 1981-82. She is one of seven specialists selected to lecture on computer architecture at ACM chapters throughout the country.

Dr. Joseph Jordan, professor of chemistry, was elected chairman of the Commission on Electroanalytical Chemistry of the International Union of

Pure and Applied Chemistry at its recent general assembly in Leuven, Belgium.

Dr. Jeffrey S. Lannin, associate professor of physics, presented two papers and chaired a session on Amorphous Solids at the International Conference on Phonon Physics in Bloomington, Ind., this month.

Dr. Emilia E. Martinez-Brawley, associate professor of social welfare, has been appointed to the Commission on Accreditation of the Council on Social Work Education (CSWE). The national 26-member body is responsible for the formulation of accreditation standards and policies for graduate and undergraduate social work education and for final decisions on the accreditation of college and university programs in social work.

Longwall-Shortwall Mining, State of the Art, a book edited by **Dr. R. V. Ramani**, professor of mining engineering, has been published by the Society of Mining Engineers of the American Institute of Mining, Metallurgical, and Petroleum Engineers.

Dr. Charles Redenius, associate professor of political science at Behrend, has been invited to be a Visiting Research Fellow at the University of Reading in Reading, England. While abroad, he will conduct research on the economic policies of the Thatcher government and the Reagan administration.

Dr. Philip S. Skell, Evan Pugh professor of chemistry, was plenary lecturer at the 28th Congress of the International Union of Pure and Applied Chemistry in Vancouver, British Columbia. His lecture was entitled "Atom Chemistry: Electron Transfer." From Aug. 31 to Sept. 4 he

attended the 3rd International Symposium in Organic Free Radicals in Freiburg im Breisgau, West Germany, where he presented a paper entitled "Pi and Sigma Radicals." He also presented the same paper at the University of Bonn Institute for Theoretical Chemistry on Sept. 7.

Dr. E-Tu Zen Sun, professor of Chinese history, is the author of "Selected Essays in Chinese Economic History," a 205-page volume published recently by the New Asia College Institute of Advanced Chinese Studies and Research, Hong Kong.

The nine articles in the collection represent Dr. Sun's study of the late-imperial era Chinese society and economy. With the exception of a previously unpublished article on the concepts of wealth and frugality in the late Ming, all of the articles deal with aspects of Chinese economy during the Ch'ing period.

Dr. Gary Wegner, assistant professor of astronomy, presented an invited paper at the 4th European Workshop on White Dwarfs held in Paris, France, Aug. 24-27 at the Observatoire de Paris. The meeting was sponsored by the Observatoire de Paris and the French National Center for Scientific Research.

Dr. Donald J. Willower, professor of education, recently made a number of presentations in Australia. He gave the keynote address, "Educational Administration: Some Philosophical and Other Considerations," at the first national conference of Australian college and university teachers of educational administration in Melbourne. He also conducted seminars for faculty members and graduate students in Melbourne, Sydney and Armidale.

In addition, Dr. Willower spoke to the Sydney Council for Educational Administration and at the national meeting of the Australian Council for Educational Administration, of which he

was made an honorary member. He also chaired a panel evaluating the Centre for Administrative Studies of the University of New England, New South Wales, for the Australian Tertiary Education Commission.

Dr. Brent Wilson, professor of art education, presented a keynote address at the 23rd World Congress of the International Society for Education Through Art in Rotterdam, The Netherlands. The title of his address was "The Triumph of American Culture over the Art Educational Establishment. Findings from the U.S. National Assessment of Educational Progress in Art."

While in Rotterdam, Dr. Wilson presented an invited paper at a pre-congress research seminar. His paper dealt with strategies for the crosscultural analysis of themes, structures, and meaning dimensions of children's sequential narrative drawings.

Dr. Thomas D. Yawkey, associate professor of education, served as a guest co-editor of a research issue on children's play for *The Journal of Research and Development in Education*. The issue, published in Summer 1981, contains 20 current research articles written by leading play researchers in the United States and Canada.

Promotions

Faculty

Bruce R. Michie to assistant professor of forest resources.

Staff Exempt

Robert J. Matthews to senior systems analyst in Management Services.
Larry R. Gingrich to assistant director for continuing education at Hazleton.
Guy Houser to janitor foreman in Physical Plant.

Diane K. Hunt to counselor at Wilkes-Barre.
Karen L. Marfurt to supervisor, Cytogenetics Laboratory at Hershey.
Marcia R. Parker to chief technologist, night and weekend service at Hershey.
Walter Simatic to maintenance foreman at Fayette.
J. James Wager to senior systems analyst in Management Services.

Staff Non-Exempt

Mary Dunkle to administrative aide in Health, Physical Education and Recreation.

Clerical

Wendy E. Bathgate to secretary B in Intercollege Research Programs.
Cheryl Boal to secretary C in President's Office.
Norma A. Drayer to secretary B at Hershey.
Norma Lee H. Gruver to senior Clerk in Libraries.
Elizabeth A. Lass to stenographer A in Engineering.
Kathleen Matason to secretary A in Earth and Mineral Sciences.
Lorna V. Stewart to secretary B in Liberal Arts.
Mary Ella Walker to data preparation operator A in Management Services.
Sheba J. Winfree to clerk typist A in Liberal Arts.

Technical Service

Jerry Bierly to maintenance worker utility in Physical Plant.
Charles Creighton to maintenance worker area landscape in Physical Plant.
Ralph Garrett to maintenance worker utility in Physical Plant.
Richard Iddings to maintenance worker area landscape in Physical Plant.



Mr. Davy



Mr. Loesch



Mr. Walker



Mr. Vonada



Ms. Lampman

25-year chairs

The College of Engineering has presented 25-year service awards to five employees: **William A. Davy**, **William J. Loesch**, **Doyle E. Walker**, **Douglas Vonada** and **Joan P. Lampman**.

Mr. Davy, technical services, Breazeale Nuclear Reactor, is a custodian and driver at the University's research reactor facility. He joined Penn State as a food handler in the Department of Foods in 1956. In 1968 he became a stock clerk and driver for the Department of Purchasing.

He joined the Nuclear Engineering Department at the reactor facility in 1970. Before coming to Penn State, Mr. Davy was a member of the Construction Corps of C-Engineering for the U.S. Army Reserves, and he also worked for the Pennsylvania Fish Commission.

Mr. Loesch is a laboratory machinist and instrument maker for mechanical engineering. When he joined Penn State in 1955, he worked in the former diesel lab, where Hammond Building now stands. In the same year he moved to an "impact project" at Pollock dining halls, where he ran a one-man machine shop for five years. In 1960 he went to the Physics Department and worked there as a machinist until 1973. He then returned to the Mechanical Engineering Department,

where his responsibilities include working in the engine lab and machine shop on both student class projects and faculty research projects. A graduate of State College High School, Mr. Loesch was parts manager at Cadillac Garage in State College before coming to Penn State.

Mr. Walker, group leader and machinist in the Mechanical Engineering Department, joined technical services in 1955 in Maintenance and Operations, working with steam and water lines. In 1960 he became an experimental machinist in Mechanical Engineering. He was named group leader in 1973. He is in charge of all shop work and drawings, and works on both student and faculty research projects. Mr. Walker guides students through the machine operations and often works with more than 30 students a day during the term. He helped make pumps and valves for the Hershey Medical Center's artificial heart project, and the valves he made were placed in cows as part of the project experiments. A resident of Bellefonte, Mr. Walker and his wife, Verna, have a son, David, who is a 1970 graduate of the University.

Mr. Vonada, electronic designer at the Breazeale Nuclear Reactor, joined the staff in 1956 as a senior electronics technician in engineering. Before coming to the University he worked at the State College

T.V. Center. He is a graduate of State College High School and Williamsport Technical Institute, where he studied electronic engineering technology and radio communications. He has also done undergraduate work at Penn State in chemistry and physics.

Mr. Vonada, who holds a nuclear reactor operator's license, is in charge of the reactor control systems and is responsible for their safe and correct operation. He also repairs equipment, and designs and builds special electronic equipment used in nuclear research.

Ms. Lampman, coordinator for personnel and administrative assistant for the College of Engineering, was a technical secretary at the Applied Research Laboratory from 1956 to 1965. In 1965 she became an administrative aide in the Department of Aerospace Engineering, where she supervised office procedures and personnel, wrote proposals, reported publicity and maintained faculty biographies, among other duties. She moved to the Dean's Office of the College of Engineering in 1977.

Ms. Lampman is a graduate of the Technical High School of Scranton and of Lackawanna Junior College. She has earned an associate degree from Penn State in letters, arts, and sciences.

Bookshelf

Dr. Toth pens Metalious biography

The novel *Peyton Place*, published 25 years ago this month, was revolutionary in what it said, according to a University researcher whose biography of *Peyton Place* author Grace Metalious — *Inside Peyton Place* — is being published this month by Doubleday.

"No one was ready for *Peyton Place*, says Dr. Emily Toth, assistant professor of English, who began her research on Grace Metalious's life in 1977.

Nonetheless, advance publicity about the novel — which chronicled the underside of life in a respectable, albeit fictitious, New England town — created widespread fascination, debate and demand.

"A week before the September 24, 1956, publication date, *Peyton Place* ranked No. 4 on the nation's best-seller list," Dr. Toth points out. "Ten days after publication, it had sold 60,000 copies, prompting 20th Century Fox to bid on the film option.

Since then, it has become one of the top 10 best-sellers of the century, with more than 12 million sales in paperback copies alone."

The impression *Peyton Place* made on the silent generation ran deep. During her research, Dr. Toth talked to many women and men in their late thirties and early forties who spoke with relish of their first encounter with the novel. Often, they could recite memorable passages verbatim — a quarter century later.

"They said it was the first 'dirty' book they read, although it contained only three of the seven four-letter words banned from the airwaves," Dr. Toth notes.

"To teenagers in 1956, *Peyton Place* represented lust and rebellion — against boredom, conformity, the double standard. Teenage girls noticed that when Allison MacKenzie goes to the big city, she has sex outside marriage, with a man she

doesn't love — contrary to the standards of the day — and is not punished for it.

"It also helped to unite a generation — the first wave of the youth culture — by creating a sense of community among the teenagers who read it. Elvis Presley and Grace Metalious both proclaimed that young people had more choices than suburbia and gray flannel suits."

In many ways, the novel presaged the women's movement, Dr. Toth believes. Countering the feminine mystique of the '50s — that a woman's fulfillment could come only through husband, home and children — it said that a young, single girl could go to the city by herself.

The perceptions of *Peyton Place* are unusual for 1956: that wife-beating is not inevitable; that rape is an act of violence; that abortion can mean saving a life — the mother's.

"Women who depend too heavily on men — for sex, money or a sense of self — lose out in *Peyton Place*," Dr. Toth says. "The winners are the independent women, the ones who — like Allison MacKenzie — make their own choices in life. They're the ones who can have it all."



Dr. Toth with original 'Peyton Place' manuscript, now housed in Pattee Library

Retirements

As far as supervisor Don Weaver is concerned, **Mr. Thomas** could only be described as a "real craftsman." "I worked with him for 18 years," notes Mr. Weaver. "Mr. Thomas was a good, faithful employee . . . very congenial and well-liked by all his co-workers. He really was a first class auto body man and repairer."

Sept. 18 marked Mr. Thomas' retirement from his position in Physical Plant after 20 years of service with the University. He began and ended his Penn State career as an auto-mechanic-body repairer working on University cars and trucks.

Mr. Thomas occupies his spare time watching baseball and football. He's also an avid Penn State football fan and has enjoyed attending the games through the years.

Mr. Thomas is a Centre County native,

who presently lives with his wife, Mary, in Bellefonte. They have two children, Nancy and Peggy, and four grandchildren.

Carpoolers

Dennis Bauer would like to join a carpool from Coleville to the University. He works the 5 p.m. to 1:30 a.m. shift on Sundays through Thursdays. He can be reached at 865-6751.

Sue Cross would like to share driving from Spruce Creek. She works from 8 a.m. to 5 p.m. Call 863-2802.

Joyce White would like to share driving from Centre Hall. She works 8 a.m. to 5 p.m. in Shields Building. She can be reached at 865-1477.

Appointments

Jesse L. Barlow as assistant professor of computer science at University Park. B.A., U. of Kansas; M.S. (Computer Science), M.S. (Statistics), Ph.D., Northwestern U. Post-doctoral fellow, Northwestern U.

Stephen Beckerman as assistant professor of anthropology at University Park. B.A., George Washington U.; Ph.D., U. of New Mexico. Assistant professor, Southern Methodist U.

Karen Bierman as assistant professor of psychology at University Park. B.A., Stanford U.; M.A., Ph.D., U. of Denver. Psychology intern, U. of Washington Medical School.

James I. Bly as assistant professor of media writing and composition at Behrend. B.A., Augustana College; M.A., U. of Minnesota; Ph.D., U. of Northern Colorado. Associate professor, Tarkenton College.

Donald A. Bryant as assistant professor of microbiology at University Park. B.S., M.I.T.; Ph.D., U.C.L.A. Research associate, Cornell U.

Richard S. Carnahan Jr. as assistant professor of educational psychology at Alhouna. B.A., M.A., U. of Colorado; Ph.D., U. of Wisconsin. Statistical consultant, Inter-Varsity Christian Fellowship.

Peter W. Deutsch as assistant professor of physics at Beaver. A.B., U. of Michigan; M.S., Ph.D., U. of Illinois. Post-doctoral fellow, Graduate Center for Cloud Physics, U. of Missouri-Rolla.

Ann C. Crouter as assistant professor of individual and family studies at University Park. B.A., Stanford U.; Ph.D., Cornell U. Associate researcher, Boys Town Center for the Study of Youth Development.

Donka F. Farkas as assistant professor of French and linguistics at University Park. Diploma de Licenta, U. of Bucharest; Ph.D., U. of Chicago.

James D. Foch Jr. as senior research associate, Applied Research Laboratory at University Park. A.B., Dartmouth College; Ph.D., Rockefeller U. Associate professor, U. of Colorado.

Sherman T. Folland as assistant professor of public administration at Capitol. B.A., Concordia College; M.A., Ph.D., U. of Iowa. Acting director, Health Services Administration, U. of South Dakota.

C. William Heald as associate professor of dairy science extension at University Park. B.S., PSU; M.S., U. of New Hampshire;

Ph.D., Virginia Polytechnic Institute and State U. Associate professor, Virginia Polytechnic Institute and State U.

Christopher K. Hertzog as assistant professor of individual and family studies at University Park. A.B., A.M., Ph.D., U. of Southern California. Research associate, U. of Washington.

John V. Hinds as associate professor of speech communication at University Park. B.A., Trenton State College; M.A., Western Illinois U.; Ph.D., SUNY-Buffalo. Assistant professor, U. of Minnesota.

Stephen D. Mastrofski as assistant professor of administration of justice at University Park. B.A., U. of Iowa; Ph.D., U. of North Carolina. Research associate, U. of North Carolina.

Randall R. Myers as assistant professor of mining engineering at New Kensington. B.A., West Virginia Institute of Technology; M.S., West Virginia U. Instructor, Alderson Broadbent College.

Miriam C. Pastrick as assistant professor of art and humanistic studies at Behrend. B.A., Mercyhurst College; M.A., Northwestern U.; Ph.D., U. of Denver. Teaching fellow, U. of Denver.

Rouben Rostamian as assistant professor of mathematics at University Park. B.S., Arya-Mehr U. (Tehran, Iran); M.S., Illinois Institute of Technology; Ph.D., Brown U.

Alan W. Scaroni as assistant professor of materials science (fuel science) at University Park. B.E., U. of New South Wales; M.S., Ph.D., PSU. Engineer, C.S.R. Limited, Australia.

John B. Shea as associate professor of physical education at University Park. B.S., M.S., Springfield College; M.A., Ph.D., U. of Michigan. Associate professor, U. of Colorado.

John E. Smith as associate professor of nutrition at University Park. B.S., West Liberty State College; M.S., West Virginia U.; Ph.D., U. of Nebraska. Research associate, Institute of Human Nutrition, Columbia U.

Dudley C. Snyder as assistant professor of chemistry at Wilkes-Barre. B.S., U. of Pittsburgh; Ph.D., Purdue U. Teaching assistant and supervisor, Purdue U.

Ellen M. Woolford as assistant professor of anthropology and linguistics at University Park. B.A., Rice U.; Ph.D., Duke U. Instructor, M.I.T.

Richard H. Yahner as assistant professor of wildlife at University Park. B.S., PSU; M.S., U. of Tennessee; Ph.D., Ohio U. Assistant professor, U. of Minnesota.

25 year chairs at Ogontz

Two faculty members at the Ogontz Campus — **Patricia M. Overdeer**, professor of mathematics, and **Lynn Wah**, assistant professor of zoology — received 25-year chairs during the Campus's annual faculty meeting on Sept. 1.

Prof. Overdeer came to Ogontz in 1956, bringing with her a varied background of public school and college teaching.

At Ogontz, she has taken a dynamic role in the development of the Mathematics Department and the Campus itself. One of the founders of the Ogontz Campus Senate, she has served many terms as a senator and has been chairman of the group three times, including the current term. She has represented the Campus on the University Faculty Senate unceasingly since 1967, and has been Senate vice chairman and secretary.

Her dedication to the profession earned her the Outstanding Teaching Award in 1973. That same year she was named an Outstanding Educator of America.



Prof. Overdeer

Prof. Overdeer is currently taking graduate courses in computer science at Villanova University. She holds a bachelor's degree from Montclair State College and a master's degree from the University of Delaware.

Prof. Wah came to Ogontz in 1955, after a year of working for the U.S. Department of Agriculture.

Through the years she has primarily taught Continuing Education courses in anatomy and physiology for Nursing Education, a cooperative program that provides college credits for five area hospital nursing schools. However, her schedule has been diversified, sometimes taking her to off-campus sites, sometimes incorporating resident instruction courses.

Prof. Wah earned both her bachelor's and master's degrees in zoology at Penn State. In graduate school she met her husband, Fred, a serologist for the New Jersey Department of Health.



Prof. Wah

Dean Forth

(Continued from page 1)

Forth emphasizes, "Nonetheless, the Council recognizes — and I think rightfully so — that Penn State can, and must, do more to meet the needs of its most outstanding students."

The University Scholars Program, he observes, is one example of positive, university-wide action to increase educational quality, and he believes the Council is as interested in the program as he is.

Approved by the University Faculty Senate and beginning its second year this fall, the University Scholars Program enhances academic opportunities for outstanding students by offering them honors-level work in general courses in the first two years and highly specialized honors-level work during the junior and senior years. It is directed by Dr. Paul Axt, professor of mathematics.

"I addressed the University Scholars at an Honors Convocation on the Altoona Campus," Dr. Forth recalls, "and I was really impressed — not only with the students themselves, but also with what they said the program means to them. It's a well-conceived program and Dr. Axt and other faculty members involved in it are to be commended on its initial success and we are confident of its potential for the future."

Another important issue, Dr. Forth observes, is increasing support for the University Libraries, a matter of university-wide concern.

"Quite frankly, inflation has cut very deeply into the Libraries' funding," he says. "Strong support is needed not only to provide and maintain resources, but also to attract and retain professional, competent personnel."

He notes that the University has made a positive response to the Libraries' needs and that the Council will have opportunities to address the issue.

"Obviously, inflation and tight money affect the entire University, not only the Libraries, and the Council frequently looks at ways to increase efficiency without reducing services," he says.

"As the Commonwealth's land-grant

University and as one of the premiere educational institutions in the state, Penn State must continue to fulfill — and even expand — its mission of providing excellence in teaching, research and service. It is, indeed, the Council's role to support the University's mission."

This effort, Dr. Forth says, results in a "constant state of creative tension, in the sense that the deans must reconcile the University's overall needs with those of their individual colleges."

"It's a very healthy tension, though, for out of it grows the ability to strive for common priorities while being mindful of individual needs and concerns that themselves are important to the well-being of the entire University."

Regarding what he terms the "budget crunch," Dr. Forth says he is confident that "Penn State has enough talent to meet the challenge."

As chairman of the Council of Academic Deans, he says his challenge is to "unify" the talents of the deans in meeting the University's number one priority, fulfilling Penn State's mission.

"It's going to be a demanding year, for all of us, but one that I look forward to. It's very satisfying, for all members of the Council, to assist in shaping the future of this great University."

Sigma Xi to meet Oct. 1

Sigma Xi, scientific research honorary, will hold its first meeting of the Fall Term at 3:30 p.m. Thursday, Oct. 1, at the Noll Laboratory for Human Performance Research. A talk by Dr. E.R. Buskirk, director of the lab, will be followed by a tour of the facility.

Position open

The Center for Air Environment Studies is seeking applications and nominations for a post-doctoral position to study the effects of inadequate Vitamin E and Selenium nutrition on prostaglandin synthetase and lipoxigenase pathways of arachidonic acid metabolism. Experience in enzymology and organic synthesis is desirable. Background in biochemistry/biorganic chemistry preferred. This is a Fixed Term I position starting Nov. 1, 1981. Salary commensurate with qualifications. Applications should be sent to Dr. C. Channa Reddy, Center for Air Environment Studies, 232 Fenske Laboratory.

AND FOOD SERVICES, UNIVERSITY

PARK Responsible for assisting in the supervision of dining hall operation. Bachelor's degree in hotel and restaurant management, institutional management, food nutrition, or equivalent.

Funding Sources

For further information, call 865-1375

087-3 The Resource Information Service (RIS) provides information to faculty and staff to support their mission of obtaining project funding for instruction, research, continuing education and for fellowships. RIS is the liaison between Penn State and the Office of Federal Programs (OFP), Washington, DC. OFP provides Penn State with continuous monitoring of public and private agency programs. RIS reviews information from numerous sources including the Federal Register and the Commerce Business Daily (CBD) and receives direct agency mailings. RIS makes information distributions to faculty and staff and to promote an awareness of public and private programs, responds to faculty/staff inquiries about programs and program contacts and through a Preliminary Proposal Outline (PFO) mechanism, helps locate project support funds with the assistance of OFP and Penn State's Office of Gifts and Endowments (OGIE). For detailed information about available RIS assistance, contact M.R. Kohler, 5 Old Main, 814-863-0715.

From Notre Dame

Outstanding librarian on campus this year

James G. Neal, head of the collections management department at the Notre Dame University Libraries, is at University Park as a Visiting Associate Librarian for the current academic year.

Mr. Neal was one of five outstanding librarians who were awarded internships this year by the Council on Library Resources for its Academic Library Management Intern Program. Under this program, he is working with Dr. Stuart Forth, dean of University Libraries, "to observe, and to participate in, where appropriate, the workings of a large academic library from the vantage point of the dean and key associates."

A native of Plainfield, N.J., Mr. Neal received his B.A. degree in Russian studies from Rutgers University, and his M.A. degree in history and his M.L.S. degree from Columbia University. He also holds the Columbia Library School certificates in advanced librarianship.

Mr. Neal is the author of several articles in the field of librarianship.



James G. Neal

Women's Club to meet

The Faculty Women's Club will hold its fall reception at 7:30 p.m. Wednesday, Sept. 30, in Room 101-102 Kern Graduate Bldg. Membership is open to part-time or full-time women faculty, administrative or staff-exempt personnel or the wives of men in these full-time positions.

Faculty/Staff Alerts

University contribution to TIAA changed

The University makes a contribution to the Teacher's Insurance and Annuity Association (TIAA) on behalf of each faculty and staff member who belongs to that retirement program. The retirement law which permitted the University to use TIAA as an alternate to the State

Employee's Retirement System (SERS) also states that the amount the University contributes to TIAA shall be no more than the rate the actuaries of the retirement board determine to be necessary to fund the SERS adequately.

The amount is reviewed each year by the actuaries, and it may increase or decrease. From July 1, 1980, through June 30, 1981, the amount has been 7.90 percent of salary. The rate which will be in effect from July 1, 1981, through June 30, 1982, will be 6.50 percent of salary.

The contribution rate by faculty and staff members to either retirement system will remain at 5.00 percent of salary.

Voluntary insurance plan is improved

Since 1964, the University has offered a voluntary insurance plan for accidental death and dismemberment (VADD) to all regular faculty and staff members. The plan provides optional amounts of insurance ranging from \$10,000 to \$200,000 and also provides accidental death and dismemberment coverage for eligible dependents.

The following improvements will be made in the VADD coverage effective Nov. 1:

— Coverage for the spouse has been increased from 55% to 60% of the elected Principal Sum (employee amount) where the spouse is the only insured dependent.

— Coverage for the spouse is increased from 45% to 50% of the elected Principal Sum where a spouse and dependent children are covered.

— A "Common Disaster" provision has been added which provides that in the event you and your insured spouse both suffer loss of life due to injuries sustained in the same accident (or within 90 days of the accident), the Principal Sum payable for your spouse's loss of life will be equal to your Principal Sum. The sum payable will be 100% of the Principal Sum for each death.

— The rates have been reduced as follows:

Type and Amount of Coverage

Employee Only	Monthly Rate (c)		Biweekly Rate (c)	
	From	To	From	To
\$ 10,000	.38	.37	.18	.17
25,000	.95	.93	.44	.43
50,000	1.90	1.85	.88	.85
100,000	3.80	3.70	1.75	1.71
150,000	5.70	5.55	2.63	2.56
200,000	7.60	7.40	3.51	3.42

Employee and Dependents	Monthly Rate (c)		Biweekly Rate (c)	
	From	To	From	To
\$ 10,000	.60	.58	.27	.26
25,000	1.50	1.45	.69	.67
50,000	3.00	2.90	1.38	1.34
100,000	6.00	5.80	2.77	2.68
150,000	9.00	8.70	4.15	4.02
200,000	12.00	11.60	5.54	5.35

The month of October is the period when membership or coverage in this plan may be changed. One or more of the following actions may be taken during the month: (1) change the dollar amount of insurance coverage; (2) change from individual coverage to family coverage or vice versa; (3) enroll in the plan as a new member; (4) withdraw from the plan.

To accomplish any of the above changes, obtain a VADD change form from your personnel representative or business manager, complete it and send it to the Employee Benefits Division, 133 Willard Bldg., by Oct. 31. All changes received by that date will become effective Nov. 1.

Thurmond to speak

U.S. Sen. Strom Thurmond, of South Carolina, will speak on "Conservatism in America" at 8 p.m. Tuesday, Sept. 29, in a program sponsored by Colloquy. Sen. Thurmond currently serves as president pro tempore of the Senate.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Oct. 1, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

CLAIMS SPECIALIST, CONTROLLER'S OFFICE, UNIVERSITY PARK Responsible to the risk manager for administering and settling the third party and property insurance claims handled by the Risk Management Office, both insured and self insured. Bachelor's degree (or equivalent) preferably in business administration plus two to three years effective experience in handling property and casualty claims with emphasis on worker's compensation. Travel to other University locations for the investigation of claims is required in this position.

ASSISTANT FOOD SUPERVISOR, HOUSING

University Park Calendar

September 24 — October 4 Special Events

Thursday, Sept. 24

Pass-Fail.
Fixed date for meetings involving Commonwealth Campus faculty.
Nursing Consultation Center, "Learning to Relax" series begins, 7 p.m.; Consultation Center. Information, 863-2200.

Commons Film Series, *Planet of the Apes*, 7 and 9 p.m.; Room 112 Kern.
Sports: field hockey vs. Lock Haven, 3:30 p.m.

Friday, Sept. 25

Pass-Fail.
Fixed date for meetings involving Commonwealth Campus faculty.
Craft Demonstration, 11:30 a.m.; Kern Lobby.
Commonplace Theatre, *Stunt Man*, 7 and 9 p.m.; Room 112 Kern.

Cinematheque Film, *McCabe & Mrs. Miller*, 7 and 9:15 p.m.; Room 10 Sparks Bldg.

Interludia Folk Dancing, 7:30 p.m.; HUB Ballroom.
Shaver's Creek Environmental Center, Project Learning Tree Environment Workshop, 7-9 p.m.; 233 Recreation Bldg. Registration, 865-1851.

Saturday, Sept. 26

Fixed date for meetings involving Commonwealth Campus faculty.

Shaver's Creek Environmental Center, Project Learning Tree Environment Workshop, 10 a.m.-4 p.m.; Environmental Center. Registration, 865-1851.

France-Cinema, *Bunuel, The Discreet Charm of the Bourgeoisie*, 7 and 9 p.m.; Room 112 Kern.
Artist Series, Eddie Rabbitt concert, 7 and 9:30 p.m.; Eisenhower Auditorium.

Cinematheque Film, *McCabe & Mrs. Miller*, 7 and 9:15 p.m.; Room 10 Sparks Bldg.

Sports: field hockey vs. Connecticut, 1 p.m.

Sunday, Sept. 27

Commonplace Theatre, *Stunt Man*, 7 and 9 p.m.; Room 112 Kern.

Monday, Sept. 28

Drop deadline.
Preregistration deadline for Winter Term.
Pass-Fail.

Course repeat deadline.
France-Cinema, *Bunuel, The Discreet Charm of the Bourgeoisie*, 7 and 9 p.m.; Room 112 Kern.

Wednesday, Sept. 30

Commons Concert, Allegheny String Band,

noon, Kern lobby.

Robeson Cultural Center, movie, *Paul Robeson - Tribute to An Artist*, 7:30 p.m.; Walnut Bldg. Free admission.

Sports: women's tennis vs. Lock Haven, 4 p.m.
Public lecture, Helene Cixous, professor of English literature and women's studies, University of Paris-Vincennes and Paris-Saint-Denis, on "The Origins of Writing," 7:30 p.m. HUB Gallery.

Thursday, Oct. 1

Shaver's Creek Environmental Center, Hawk Mountain Trip, 6 a.m.-7 p.m. Registration, 865-1851

Nursing Consultation Center, "Learning to Relax" series begins, 3:30 p.m.; Consultation Center. Information, 863-2200.

Sports: baseball vs. Lock Haven, 3 p.m.; field hockey vs. Delaware, 3:30 p.m.

Friday, Oct. 2

Craft Demonstration, 11:30 a.m.; Kern Lobby.
Commonplace Theatre, *Atlantic City*, 7 and 9 p.m.; Room 112 Kern.

Cinematheque Film, *Chinatown*, 7 and 9:15 p.m.; Room 10 Sparks.

Interludia Folk Dancing, 7:30 p.m.; HUB Ballroom.

CSA Coffeehouse, 8 p.m.; Room 102 Kern.
Artist Series, Carlos Montoya, Guitarist, 8:30 p.m.; Eisenhower Auditorium.

Sports: soccer vs. Fordham, 7:15 p.m.; JV football vs. Rutgers, 1:30 p.m.

Saturday, Oct. 3

France-Cinema, Visconti, *Death in Venice*, 7 and 9 p.m.; Room 112 Kern.

Cinematheque Film, *Chinatown*, 7 and 9:15 p.m.; Room 10 Sparks.

Sports: football vs. Temple (all-University Day), 1:30 p.m.; men's cross country, Penn State Open, 11 a.m.

Sunday, Oct. 4

Health Expo '81, 10,000 Meter Race, 11 a.m. Two-mile "Fun Run," 1 p.m.; HUB Lawn. Sponsored by University Health Services and USG.

Shaver's Creek Environmental Center, Guided walk, 1-3 p.m.; Environmental Center.

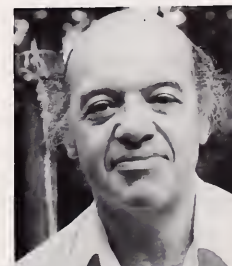
Commonplace Theatre, *Atlantic City*, 7 and 9 p.m.; Room 112 Kern.

Sports: baseball vs. Bloomsburg (DH), 1 p.m.

Seminars

Thursday, Sept. 24

Ceramic Science 500 Seminar Series, 11 a.m.-noon, Room 301 Steidle Bldg. Dr. A. Badzian, UNITRA, Warsaw, Poland, on "Synthesis and Crystal Chemistry of Diamond-like Materials."



Gerald Stern

He writes a regular column in *American Poetry Review* called "Notes from the River." His poems have been included in a number of anthologies, including *Puskhat Prize* in 1976 and 1979.

In addition to giving a reading, Stern will visit poetry classes. The reading is open to the public.

The first and last sessions are 90 minutes long instead of one hour to permit the checking of blood pressure. Four sessions are held over the five-week period of the programs which involve practice in, and explanation of, relaxation techniques.

A modest fee is charged. Further information may be obtained by calling the Nursing Consultation Center at 863-2200 from 9 a.m. to noon and from 1 p.m. to 4 p.m.

Physics Colloquium, 3:50 p.m.; Room 117 Osmond Lab. W. Plummer, University of Pennsylvania, on "Photoemission from a Nearly Free Electron Metal."

Fuel Science Seminar, 4 p.m.; Room 301 Steidle Bldg. Dr. Douglas McKee, General Electric Co., on "Catalysis of Carbon Gasification." Math Colloquium, 4 p.m.; Room 104 McAllister Bldg. Professor Joseph Bernstein, University of Maryland, on "Modules Over Rings of Differential Operators."

Special Acoustics Seminar, 4 p.m.; Room 73 Willard Bldg. Dr. Robert J. Hooker, senior lecturer in mechanical engineering, University of Brisbane, Queensland, Australia, on "The Quiet Pneumatic Rock Drill Project."

Friday, Sept. 25

Analytical Chemistry Seminar, 11 a.m.; Room 333 Whitmore Lab. Nancy Redman-Furey, on "A Biochemical Application of Enthalpimetry: Thermodynamic of Substrate Level Phosphorylations."

Geography Dept. Coffee Hour, 3:45 p.m.

Room 319 Walker Bldg. John L. Frick, associate professor of American history, on "Religion in the Middle Colonies: Model for a Nation."

Electrical Engineering Seminar, 4 p.m.; Room 123 Electrical Engineering East. Dr. D. J. DiMaria, IBM Yorktown Heights, on "Electrically Altered Memory - Insulator-Fillic Silicon Physics and Performance."

Monday, Sept. 28

MCB Seminar, 4 p.m.; Room 101 Allhouse Lab. Dr. Ming Chiu, Roswell Park Memorial Institute, on "New Approaches to the Characterization of Antigen-Antibody Immune Complexes in Cancer."

Tuesday, Sept. 29

Biology Seminar, 11:10 a.m.; Room S-2 Frear Bldg. Dr. Ron Bohn, assistant professor of anatomy, George Washington Medical Center, on "Regeneration of the Optic Nerve in the Frog: Some New Observations."

Wednesday, Sept. 30

Fuel Science Seminar, 11 a.m.; Room 301 Steidle Bldg. Professor Robert Rowell, University of Massachusetts, on "Stabilization and Structure of Coal-Oil Slurries."

Thursday, Oct. 1

Ceramic Science 500 Seminar, 11 a.m.-noon, Room 301 Steidle Bldg. Dr. P.W. Walsh, Linde Div., Union Carbide, on "Preparation of Coatings by CVD and Plasma Detonation."

Physics Colloquium, 3:50 p.m.; Room 117 Osmond Lab. C. Kim, Johns Hopkins University, on "Gauge Theories and Quantum Elec-

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

trodynamics."

Fuel Science Seminar, 4 p.m.; Room 301 Steidle Bldg. Dr. C.T. Ratcliffe, Exxon Research and Engineering Co., on "Unusual Reaction Chemistry of Selected Sulfur Compounds with Al."

Math Colloquium, 4 p.m.; Room 104 McAllister Bldg. Professor M. Delour, Université de Montréal, on "The Role of the Product Space in the Theory of Linear Systems with Delays in State and Control Variables."

Friday, Oct. 2

Analytical Chemistry Seminar, 11 a.m.; Room 333 Whitmore Lab. Gary Small, on "An Interactive Software System for the Simulation of ¹³C NMR Spectra."

Geography Dept. Coffee Hour, 3:45 p.m.

Room 319 Walker Bldg. Barbara Miller, acquisitions librarian, Schlow Memorial Library, on "Who Reads What: Book Selection and Readership in a Small Town Library."

Exhibits

Kern Gallery: open Monday through Saturday, 8 a.m.-11 p.m.; Sunday, noon-11 p.m. Jim Dupree, paintings; Jani Mershon, weavings, through Oct. 2, Linda Newby, feather jewelry; Ziggy Coyle, clay, opens Sept. 25; Jan Brennis, paintings, opens Oct. 3.

Museum of Art, open 11 a.m.-4:30 p.m.

Closed Mondays, Tours, Sundays, 1:30 p.m. Helmine, Neckline, Streamline: Women's Fashions 1890-1940 from the collection of Beverly Birks, through Oct. 4. An Overview of the Permanent Collection, through Sept. 27. Oriental Works from the Museum's Collection, opens Sept. 27.

Pattee Library: Charles Hollingsworth, paintings, East Corridor Gallery. Travels in Greece: Ink Wash Drawings by Wendi Sneydner, Lending Services Library. Bess Conglevsky, relief sculpture, through Oct. 2; Sandy Sandmeyer, recent works in batik, opens Oct. 2. Second Floor East. Highlights from the Allison-Shelley Collection, Rare Books Room.

Paul Robeson Cultural Center: John T. Harris, works in water color, pencil and other media, through Oct. 3.

Visual Arts Bldg. Zoller Gallery

Gallery Hours: 9 a.m.-5 p.m., Monday through Friday, Saturdays and Sundays, noon-5 p.m.

Josef Svoboda, work in theatre design, through Sept. 26. School of Visual Arts Faculty Exhibition, opens Sept. 28.

Paul Robeson Film Series focuses on life of black actor, singer and athlete

The Paul Robeson Film Series, looking at the life and works of the celebrated black actor, singer and athlete, will be presented at the Robeson Cultural Center beginning Wednesday, Sept. 30.

"It's natural that our center would present the series," says Elmore M. Browne, director of the center, "but it's also important that Paul Robeson be recognized."

"He was a formidable concert musician, an acclaimed Shakespearean actor, a scholar and an All-American athlete. He also was a lawyer and civil rights champion."

Robeson "spoke out against racism and injustice when blacks weren't permitted to do so," Mr. Browne adds, "so his accomplishments were obliterated - whole generations of Americans know little or nothing about who he was."

The series will run on alternating Wednesdays, with all films starting at 7:30 p.m. in the conference room of the Center. "Paul Robeson: Tribute to An Artist" will open the series on Sept. 30. The Academy Award-winning documentary features rare footage of Robeson in "Othello," the longest-running Shakespeare production on Broadway and the first (in 1943) to have a black star with a white supporting cast. "Proud Valley" will be shown Oct. 14, with "King Solomon's Mines" on Oct. 28.

"Sanders of the River" on Nov. 11 and "Showboat" on Dec. 9.

All films in the series are free and open to the public.

Art works exhibited by John T. Harris

An exhibition by black artist John T. Harris will be on display at the Robeson Cultural Center until Saturday, Oct. 3.

Mr. Harris, a native of Philadelphia, was associate professor of art at Cheyney State College until his retirement.

His works have been exhibited at the Pennsylvania Academy of Fine Arts in Philadelphia, New York's Harmon Gallery, Morgan State University in Baltimore and Atlanta University.

His works, in water color, pencil and other media, reflect his extensive travel in Japan, Singapore and other portions of Asia.

Mr. Harris has been honored by Cheyney State College. Also, the Wharton Settlement in Philadelphia presented him with an award for teaching excellence.

He earned his bachelor's degree from the Philadelphia College of Arts and his master's degree in art education from Temple University.

Poet Gerald Stern will give reading

Poet Gerald Stern, author of *The Red Coal* and other books of poetry, will give a reading at 4 p.m. Tuesday, Oct. 6, in the Rare Books Room of Pattee Library.

It is co-sponsored by the Institute for the Arts and Humanities Studies, the English Department and the Pennsylvania Council on the Arts.

Richard Hugo, in reviewing *The Red Coal*, said Stern "moves into the forefront as one of our finest, least dispensable poets."

Stern, who lives in Easton, Pa., last year received the first Governor's Award for Excellence in the Arts. His 1977 book, *Lucky Life*, was the Lamont Poetry Selection that year of the Academy of American Poets.

Other books by Stern are *The Pineys*, 1971, and *Rejoicings*, 1973. He has had poems and prose articles published in numerous magazines and journals, and

'Learning to Relax' begins this evening

The University's Nursing Consultation Center will conduct its "Learn to Relax" program several times this year.

The first program begins at 7 tonight. Another series is tentatively set for Oct. 1 at 3:30 p.m. Starting dates are postponed occasionally to assure a full enrollment.

HUB Information Desk offers a variety of answers, services

If you ever need to know when tickets go on sale for that Artist Series performance, or aren't sure of the starting time of a symposium session, call Flo, Nadine, or Jeff.

As the staff of the Hetzel Union Building (HUB) Information Desk, they've grown expert at fielding questions on all types of University goings-on. And lots of people depend on them.

"People look to the HUB Desk as the last word," says William K. Hillner, assistant manager of the HUB.

Since the HUB's opening in 1955, the HUB Desk has been serving students and student organizations. It receives mail and takes messages for many student groups. Out-of-town newspapers and magazines can be borrowed from the desk, as well as telephone books from around the state.

A few faculty and staff members have discovered that they can enjoy HUB Desk services, too, according to desk supervisor Flo Musgrave.

"We have several faculty and staff members who regularly come to the desk to read the papers and magazines," she says. Faculty and staff members also call occasionally to contact student organizations or check on times and dates of special events.

Staff and faculty members also can borrow at the desk electric engravers to put identifying marks or numbers on personal items.

Books by faculty members published by

the Penn State Press are featured in a display case near the desk, and exhibition cases are also available for presentation of art and other special collections such as a recent exhibition of turn-of-the-century photography.

Various student organizations often invite faculty or staff members to participate in special programs by presenting talks on their field of expertise, Mr. Hillner says.

The HUB Desk operates the central Lost and Found Service for the University Park Campus. And visitors to the campus find at the desk people who can help them negotiate the array of classrooms and buildings.

"Visitors often are overwhelmed by the size of the campus," says Nadine Ross, another desk staffer. "They think it's a very beautiful, well-maintained campus, but when you show them how far Shields or Business Administration is from us, they're intimidated — especially in the winter."

"The best part of this work is meeting the students, I think," Mrs. Musgrave says. "They're all different, and most have been really nice; some of the friendlier students come up and start conversations, and I get to know them pretty well. Some even call me their second Mom."

"I've gotten flowers and gifts on Thanksgiving, Christmas, Mother's Day, Easter and my birthday. Sometimes it's just a card, but it's so nice to be remembered."



Flo Musgrave (left) and Nadine Ross offer assistance at the HUB Information Desk

Because, in many instances, HUB Desk staff are the only available representatives of the University, they want to make sure their service is the best it can be.

Conference and seminar attendees sometimes arrive at Penn State unsure of where they should go or what they should do, says Jeffery Dickson, assistant to the HUB manager.

"They may have lost their instruction letter, and in the evenings and on weekends, we're the only place open," he says. "We end up making phone calls, trying to find out when and where they belong."

"To improve our service, we'd like departments and organizations to send us copies of event announcements, with complete information on topics and activities," Mr. Dickson requests. "We'd also like to be on mailing lists for brochures and fliers describing the various academic departments and outlining any of their ongoing programs."

"And we could use advance notice of symposia and seminars; we get lots of requests for that kind of information. We enjoy being a service to the campus and we can do a better job with some support from the University community."

New Restaurants, in 'first phase,' are solving temporary problems

William H. McKinnon, assistant vice president for Housing and Food Service Operations, admits there have been a few problems during the opening weeks of the new restaurant complex in the HUB.

He notes, however, that the problems are of a temporary nature and that Food Service is working hard to resolve them.

"Ideally," Mr. McKinnon says, "we would have liked to have had a 30-day shakedown period before opening for business."

Due to the new construction, however, we were unable to occupy the new facility until Wednesday, Aug. 26, only five days before we opened. We then had five days during new student week to prepare for business as usual. We were still in the process of dealing with minor construction, equipment and operating problems in the midst of the first week of Fall Term classes," he explains.

Mr. McKinnon adds that many of the student employees joined the HUB food service staff for the first time this fall and needed to be trained.

"Our staff and full-time employees have done a terrific job, but they, too, have had to make the transition to a new environment and learn routines and procedures unique to this new food service facility," he says.

Observing the biggest problem to date has been a shortage of seating during the lunch period, Mr. McKinnon notes the University operates on two docks, the academic clock and the administrative clock. He says the academic class schedule causes a rush on food services after the second and third periods end at 11 and 12:30 a.m. The noon break for offices from 12 to 1 p.m. causes a rush at 12:15 p.m.

"What many of our customers may not realize is that we're in only the first phase of our renovation project and even this phase isn't complete. Right now we have three areas open, the Fast Break, the Greenhouse and the Food For Thought, with seating for 500. A fourth area, the Founders Room, is nearing completion. Next year two additional units will open, the Dough To Go and The Celler."

"For this year, after the opening of the Founders Room, seating will total about 625. Next year, with the addition of the Dough To Go and The Celler, seating will be increased by 400, bringing the total capacity to approximately the same level as that of the areas being replaced, the Terrace Room and the Lion's Den," he notes.

In addition, he says, once all six serving areas are complete, food service will be available continuously from 7 a.m. to 11 p.m.

"Still," he stresses, "for this year, we will have limited seating and must call on our patrons for help."

"Frankly, we are flattered that our customers apparently like our various decors and take pleasure in lingering over a cup of coffee or a soft drink while talking, reading or studying. But because of our limited seating, especially over the 11 a.m. to 1 p.m. time period, we must urge patrons to make use of the HUB's many lounges for these purposes."

The HUB food service is open Mondays through Fridays and on football Saturdays. The Fast Break starts serving breakfast at 7:30 a.m. and remains open

until 9:30 a.m., when the Food For Thought line opens for a continuation of coffee, other beverages and baked goods service.

The Fast Break reopens at 10:30 a.m. for lunch, remaining open until 2:30 p.m. Also open for lunch are the Food For Thought (11:30 a.m. to 1:15 p.m.) and the Greenhouse (11 a.m. to 1:30 p.m.). Dinner hours are from 5 to 6:45 p.m. in Food For Thought and from 5 to 6:30 p.m. in the Greenhouse. The Founders Room, when it opens in October, will serve lunch from 11:30 a.m. to 1:15 p.m.

"We still have some adjustments to make," Mr. McKinnon adds, "and we're aware that some of our patrons may have been inconvenienced. As the year progresses, we will continue to evaluate our food services. We welcome comments and suggestions from our customers."

"So far, we are very pleased with the support the University community has given our new operation. All we ask is a little patience as we put the finishing touches on phase one and work to complete the second phase of our HUB restaurant complex."

Forum to focus on liberal arts grads

The College of the Liberal Arts and the Career Development and Placement Center will co-sponsor a University-Employer Relations Forum Oct. 8-9 at the Nittany Lion Inn.

According to Dr. Stanley F. Paulson, dean of the College, the forum will bring together about 50 faculty members and corporate representatives to discuss opportunities and needs for liberal arts graduates in the world of business.

Among the workshop topics: the skills liberal arts graduates need to secure entry level career positions and compete successfully; the processes that could enable employers to identify high potential non-technical liberal arts candidates; and the methods for considering qualified liberal arts candidates along with graduates in technical fields.

"While we in the liberal arts need to educate ourselves about how better to

prepare our students for careers," Dean Paulson says, "we also have to educate employers to the fact that, as a growing body of research indicates, liberal arts graduates often do better in management than their counterparts from more specialized fields."

Dr. Richard G. Swails, director of the Career Development and Placement Center, will welcome forum participants Dean Paulson and Dr. Richard Ritchie, AT&T district manager for research, will deliver keynote addresses.

Employers at the forum will include: AT&T, the CIA, General Electric, General Motors, IBM, Johnson & Johnson, Mellon Bank, Pennsylvania Power and Light, the Travelers, and WTAJ-TV.

Participating liberal arts academic units will include: English, French, German, History, Journalism and Advertising, Philosophy, Political Science, Psychology and Speech Communication.

Helene Cixous to speak on writing

Helene Cixous, essayist, playwright and fiction writer, will present a public lecture at 7:30 p.m. Wednesday, Sept. 30 in the HUB Gallery.

Her lecture on "The Origins of Writing" will outline her current interests in the historical as well as the psychoanalytical sources of creation.

The presentation is being sponsored by the Departments of French and English, the Women's Studies and Comparative Literature programs, and the Institute for the Arts and Humanistic Studies.

An exceptional figure on the French intellectual scene, Helene Cixous was professor of English literature at the now defunct University of Paris-Vincennes, which was known as the harbour of new trends in theoretical thinking and experimental education.

She is a very productive and at the same time "a 'hermetic' writer. In the past twelve years she has published five essays, four plays, fifteen works of fiction and a number of articles and shorter texts.

She has conducted seminars and lectured in the U.S. and Quebec, has held a visiting professorship at New York University and currently is giving a seminar in comparative literature at SUNY Binghamton.

Cixous' research interests in English literature have centered on the "undecidable": James Joyce, Lewis Carroll and 'avant-garde' poets. In France, her unique creativity quickly impressed the critics and she received the Medias Literary Award in 1969.

Beside this enormous intellectual energy, her most striking quality may well be a unique sense of freedom: mixing the theoretical and the lyrical modes in her essays, projecting or anticipating future trends in the development of writing. Having established herself as a leading 'avant-garde' writer, Cixous also identifies as a 'femme en mouvement,' a phrase used by a radical neo-feminist group: "Politique et Psychanalyse."

Penn State Intercom

Exxon provides \$300,000 grant to aid teaching

The University will receive \$300,000 from the Exxon Education Foundation, through a program to encourage young engineers not to abandon teaching careers for jobs in private industry.

The funding, to be administered over a five-year period, will support engineering education in the colleges of Earth and Mineral Sciences and Engineering.

Penn State is one of 66 U.S. colleges and universities to receive support through the \$15 million grant program, believed to be the largest of its kind ever undertaken by a corporate foundation. The special, one-time grants are being financed by the Exxon Corporation as part of the company's centennial, which will be observed in 1982.

In announcing the awards, Foundation representatives said the program was an attempt to slow the drain of young engineers from college and university teaching to private industry, where salaries tend to be higher. It is intended to encourage graduate students to enter teaching, and young faculty members to stay in the field, they said.

In all, the Foundation will award 100 three-year \$50,000 Exxon Teaching Fellowships, beginning in the 1982-83 academic year. Penn State will receive two such fellowships, one each in its chemical engineering and mining engineering programs.

The fellowships are intended to increase the number of graduate students in programs leading to the Ph.D. and teaching careers. Each fellow will receive a stipend of \$12,000 the first year, \$13,500 the second and \$15,000 the third, as well as tuition and fees.

The Foundation also will award 100 faculty assistance grants beginning in 1982-83, to encourage young Ph.D.s to remain in teaching during the first five years, when they are most vulnerable to job offers from industry.

Each of these grants totals \$100,000 — \$20,000 for each of five years — to be used as salary supplements for junior, nontenured faculty members. Penn State has received two of the grants, one in chemical engineering and one in petroleum and natural gas engineering.

The fellowships and assistance grants

(Continued on page 5)



Autumn clouds over Mt. Nittany

Photo: Scott Johnson

Senate to eye PS-23, hear sabbatical leaves study

A call for legislative action on two proposed changes to PS-23, the University's policy document on promotion and tenure, will highlight the agenda when the University Faculty Senate next meets on Tuesday, Oct. 6.

During the meeting — which begins at 2:10 p.m. in Room 112, Kern Graduate Building — the Senate also will continue its discussion of a legislative report on computer information systems, carried over from its Sept. 8 meeting, and hear an informational report on "A Study of the Sabbatical Leaves Program."

But first, the Senate Faculty Affairs Committee will ask for consideration of a two-part recommendation regarding its proposed changes to the so-called "dean's veto" section of PS-23, as well as a recommendation submitted as a substitute motion Sept. 8 by the chairman of PS-23 Commission. In addition, the committee will ask for action on a proposed modification to administrative guidelines for evaluating teaching effectiveness as related to promotion and tenure.

In the committee's recommendation on the dean's veto, the first part focuses on promotion and tenure review at the college level, while the second part focuses on the issue at the Commonwealth Campuses. The

recommendation, with changes or additions to the present policy indicated in italics is as follows:

"... In all cases where a dean makes a negative tenure or promotion decision and where all recommendations prior to the dean's decision, that dean shall meet with the college or University Libraries committee and state his or her reasons for the negative decision. If, after consultation with the dean, the college or University Libraries committee feels that further review is warranted, the committee shall forward such cases to the Office of the Provost for transmittal to the University Promotion and Tenure Committee...."

"In reviewing Commonwealth Campus faculty... If the decision is made at the college or University Library level of review not to award tenure, the Dean of the Commonwealth Educational System shall notify the faculty member in writing (see section IV 4); negative promotion decisions do not require such formal notification. In all cases where the deans make a negative tenure or promotion decision and

where all recommendations prior to the dean's have been positive, one of the deans shall meet with the college (or University Libraries) committee and state the reasons for the dean's decision. If, after consultation with the dean, the college or University Libraries committee believes that further review is warranted, the committee shall forward such cases to the Office of the Provost for transmittal to the University Promotion and Tenure Review Committee."

Following is the PS-23 Commission's recommendation, submitted as the substitute motion for the Senate committee's recommendation:

"In all cases where a dean makes a negative tenure or promotion decision and where all recommendations prior to the dean's level have been positive, that dean is required to meet with the college committee and state his or her reasons. The intent is to require full and candid discussion when such divergent recommendations occur."

The Faculty Affairs Committee's second

(Continued on page 5)

Semester class schedule being formed

The Calendar Conversion Council is preparing to recommend a specific class schedule for University Park in the semester calendar.

Meanwhile, the Council has approved a number of principles which it feels are necessary to the operation of the class schedule. The principles, which the Council believes are appropriate to all Penn State campuses, are:

1. The number of different sequences of class meetings currently used at University Park will be unmanageable under a semester calendar. The greater the proportion of classes which are scheduled in the standard sequences of a class schedule, the less the possibility of student conflict. However, it must be recognized that there are necessary exceptions to the sequences of any class schedule. Procedures must be established to consider those exceptions.

2. The pressure on facilities at University Park in the semester calendar will be severe and can be accommodated only if the class schedule assumes relatively even utilization throughout each day of

the instructional week and within each period of the instructional day. The academic departments, the University faculty, and the student body at University Park must all accept the fact that some sections or some courses will be scheduled in the times of the day or the days of the week which are generally considered less desirable. The key appears to be an equitable sharing of less desirable class meeting times.

3. The necessary even utilization of instructional space can only occur with full cooperation and support at the department level. The specific interrelationships of different courses and the necessary commitments to different faculty members are known in detail and understood at the department level. It is also necessary that the appropriate college office monitor the proposed scheduling each semester in order to assure that the college as a whole is proposing even and equitable utilization of all the time periods available. Monitoring of that performance is an appropriate function of the Scheduling Office.



President Oswald addresses University Park volunteers at United Way kick-off luncheon.

Penn Staters

Dr. Sumer C. Aggarwal, professor of management science and operations management, served as an adviser to the U.S. Naval Material Command Headquarters in Washington during the 1980-81 academic year. While there he completed projects on: "Aggregate Productivity Measurement of Naval Shipyards," "Productivity Measurement of Federal Managers," "Review of Existing Productivity Measures," "Draft Plan for a Federal Productivity Center/Institute," "Productivity Measures for Naval Ocean Systems Research Center," and "Productivity Measures and Analysis of the Navy's Acquisition Control Processes."

Dr. Aggarwal also presented lectures to federal executive groups on topics related to productivity and management control practices and evaluated the competence of several consulting organizations.

Dr. Stephen J. Bagnato, assistant professor of child psychiatry at Hershey, and **Dr. John T. Neisworth**, professor of special education, are authors of a text and resource book, *Linking Developmental Assessment and Curricula: Prescriptions for Early Intervention*.

The book, published by Aspen System Corp., is designed for infant stimulation specialists, teachers of handicapped preschoolers and school psychologists who assess and program for young developmentally disabled children.

Engineering names department head

Dr. Allen L. Soyster, former professor of industrial engineering at Virginia Polytechnic Institute and State University, has been appointed professor and head of the Department of Industrial and Management Systems Engineering.

A 1965 Penn State industrial engineering graduate, Dr. Soyster earned his M.S. at Cornell University in industrial engineering and operations research, and his Ph.D. in operations research at Carnegie-Mellon.

He has taught at Temple University, and from 1972-73, was assistant professor in Penn State's IE department. He was an instructor in the department from 1966 to 1969. Dr. Soyster also has been employed as a junior engineer at Western Electric, a cost engineer at IBM, and is a consultant at Stauffer Chemical Company.

He has done consulting work with the Federal Energy Administration. Since 1978 he has served as energy consultant to the Department of Energy and other governmental groups.

His research interests are in mathematical optimization techniques as well as in applications of operation research techniques to the fields of energy, natural resources, and

Dr. Karen Chase, assistant professor of computer science, presented a paper at the 7th International Conference on Very Large Data Bases in Cannes, France, earlier this month. The paper was entitled, "Join Graphs and Acyclic Data Base Schemes." The conference was sponsored by two American professional societies, the Association for Computing Machinery and the Institute of Electrical Engineers, and the French National Institute for Research in Information Sciences and Automation.

Six University faculty members have been selected for the first Invitational Humanities Program of the Pennsylvania Humanities Council. Selected are **Eton F. Churchill**, assistant professor of humanities and multi-media journalism at Capitol; **Alice**

M. Hoffman, associate professor of labor studies at Radnor; **Dr. Robert Lima**, professor of Spanish and comparative literature, and **Dr. Kenneth A. Thigpen**, associate professor of English and comparative literature, University Park; **Dr. Nancy M. Tishler**, professor of English and humanities at Capitol, and **Dr. Arthur Zucker**, assistant professor of philosophy at Hershey.

They are among the 25 scholars the Pennsylvania Humanities Council is providing in the first year of the program for presentations on a wide variety of topics at public meetings, conferences, workshops and festivals throughout the state.

Heather R. Gilbert, assistant executive director of the Alumni Association, is co-author with Nancy Spear, illustrator and free-lance writer, of *Cooking Around the College*, a cookbook about Penn State and the State College area. The paperback book, published by Oxon Press of State College, features recipes, menus, University history and anecdotes.

Dr. Christopher Johnstone, assistant professor of speech communication at the Delaware County Campus, has been appointed to a three-year term as editor of the *Speech Communication Journal* of Pennsylvania Annual. The annual will be refereed and will publish a range of articles dealing with theoretical and critical issues in speech communication.

Dr. Frederick W. Lampe, professor and assistant head of the Department of Chemistry, has been named a Robert A. Welch Foundation Lecturer for 1981-82. He will present lectures in March, 1982, at three Texas schools to be selected by the Foundation. The lectures will focus on "The Role of Collision Processes in Ionic Reactions" and "Multiphoton Infrared Photochemistry of Small Organic Molecules." Dr. Lampe also has been elected to the Board of Directors of the American Society of Mass Spectrometry.

Dr. S.V. Martorana, professor of education, presented a paper at the Fifth International Conference on Postsecondary Education at the University of Lancaster in England. His topic was "Using Magnitude Estimation Scaling in Assessing Institutional Performance." Some 300 delegates, representing 25 countries, attended the conference.

Dr. Martorana's paper was co-authored by Dr. Eileen Kuhns, coordinator of administration programs and associate professor in the School of Education at The Catholic University of America.

Robert A. Walters, assistant professor of general engineering at the McKeesport Campus, will design and develop a Computer-Controlled Cardiac System Analyzer for the Cook Pacemaker Corporation, Leechburg, Pa., according to an agreement signed by the University, Mr. Walters, and the Cook Corp. The agreement calls for the development of an instrument which will analyze and test cardiac pacemakers, analyze the heart lead system, and program the programmable pacemaker.

Professor Walters started the Pacemaker Test Center at the McKeesport

(Continued on page 3)

Promotions

Staff Exempt

Nancy Bertha to assistant dining hall supervisor in Housing and Food Services. **Sherry S. Janis** to assistant to the director for campus relations at Capitol. **Helena A. Williams** to area representative at Capitol.

Clerical

Brenda L. Clouser to clerk, analysis A in Student Administrative Services. **Debra E. Detwiler** to clerk typist A in Earth and Mineral Sciences. **Margaret Holderman** to secretary B in Earth and Mineral Sciences. **Lynette M. Jaskowak** to secretary B in Student Affairs. **Melanie E. Kinsley** to secretary C in Education. **Pamela J. Mullinger** to clerk A in Controller's Office. **Peggy L. Stewart** to coding clerk in Student Administrative Services. **Kathleen M. Wawrynowicz** to secretary A at Altoona.

Technical Service

Mark E. Amsler to animal caretaker A in Intercollegiate Research Programs. **Edward Behrer** to equipment operator (cranes & forklifts) in Physical Plant. **Harold Harter** to groundskeeper landscape A in Physical Plant. **Billie B. Kress** to residence hall utility worker in Housing and Food Services. **Robert A. Miller** to groundskeeper landscape A in Physical Plant. **Terry Rider** to groundskeeper landscape A in Physical Plant. **Paul B. Shank** to food service worker A, Housing and Food Services at Altoona. **Ann T. Snyder** to food preparer A in Housing and Food Services. **Paul Swartz** to equipment operator (cranes & forklifts) in Physical Plant.

Carpools

H. R. Learned needs a ride or would like to share the driving from the Beechcreek-Howard area. She works from 7 a.m. to 4 or 4:30 p.m. (return hours are flexible). She can be reached at 863-0092 or (717) 962-2948.

Lillian Nelson needs a ride from the Penn State Mobile Home Park (opposite Village Inn Pizza on N. Atherton St.) to the University. She works at Hartnanti-Pollock Housing from 8 a.m. to 4:30 p.m. She can be reached after 5 p.m. at 238-4801.



Allen L. Soyster

transportation. He is the author of numerous technical papers appearing in such journals as *Operations Research*, *Management Science*, *Mathematical Programming*, and the *Journal of the American Institute of Industrial Engineers*, among others.

Dr. Soyster is a member of the American Institute of Industrial Engineers, Operations Research Society of America, and the Institute of Management Sciences.

Continuing education director is appointed

James D. Bennett has been named director of continuing education in the College of Earth and Mineral Sciences. He continues as director of mining engineering continuing education services and instructor in mineral engineering.

In his new position, he is assuming some of the responsibilities formerly held by Dr. Robert Stefanko, associate dean for continuing education in the college, who died in July.

Mr. Bennett joined the University staff in 1974 after working for Mine Safety Appliance Co. in Pittsburgh. He has been responsible for the design, curriculum development, implementation, and evaluation of health and safety training programs provided by Penn State for Pennsylvania coal, metal, and nonmetal mining industries.

These programs include new miner orientation, miner retraining, supervisory, and specialty skills training programs through which about 19,000 miners have been trained by Penn State over the past seven years, and the Elders Ridge Mine Mechanics and Electricians School located near Indiana, Pa. Each year, at Elders Ridge, more than 100 unemployed and underemployed people are prepared for jobs in the mining industry, and, since it was opened in 1965, more than 1,200 have completed the 23-week training program given at the facility.

Mr. Bennett also serves as coordinator



James D. Bennett

and co-director for approximately 30 short courses and workshops offered annually for mining industry personnel by the Mining Engineering Section of the Department of Mineral Engineering.

His research interests have included statistical analysis of mine accidents, training systems design, and analysis of the performance of an automated mine extraction system.

After receiving his bachelor's degree from West Virginia University in 1969, Mr. Bennett entered the U.S. Army, attaining the rank of captain and serving in Germany and Vietnam. He earned a master's degree at Eastern Kentucky University and currently is a candidate for a Ph.D. in vocational industrial education at Penn State.

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Penn Staters

(Continued from page 2)

Campus to provide independent engineering analysis and testing of explanted pacemakers and prototypes for manufacturers, hospitals, coroners, doctors, and the Food and Drug Administration. The Center provides both standardized and highly specialized testing for the complex pacers, which today have developed to the point that a single instrument may have more than 1,000 modes of operation.

Dr. Thomas D. Yawkey, associate professor of education, presented an invited paper during August at the Twelfth Biennial Congress of the International Council of Children's Play in Turin. Italy. Titled "An Experimental Investigation of Correlates of Imagination, Pretend and Cognitive Learning in Five-Year-Old Children," the paper was authored by Dr. Yawkey's wife, Margaret L., a reading and communication specialist in the Tyrone Area School District.

Obituaries

Donald Garbrick, maintenance inspector, electrical and mechanical, in Physical Plant, died Sept. 19 at the age of 47. He joined the University staff Dec. 15, 1957.

Arthur L. Haskins, former associate professor of biochemistry, died Sept. 18 at the age of 76. He joined the faculty as an instructor in 1937. He was promoted to assistant professor in 1947 and to associate professor in 1951. He retired July 1, 1970.

Retirements

Chef Richard Jackson of the Nittany Lion Inn recently lost one of the essential ingredients in his kitchen. **Dorothy M. Bloom**, cook at the Inn, retired after 27 years of service with the University.

"Dorothy Bloom was one of the most conscientious employees I've ever seen," notes Chef Jackson. "She worried about the food looking well. . . how it went out to the people. She also had a real knack for seasoning which isn't too common these days. I sure hated to lose her."

Dorothy Bloom began her Penn State career in 1954 as first cook in the Coffee Shop of the Nittany Lion Inn when it opened. When the Coffee Shop was changed to banquet rooms, she became breakfast and lunch cook for the main kitchen. Over the years, she displayed her culinary talents by making everything from scrambled eggs to the soups of the day.

Dorothy Bloom was "born and raised" in Bellefonte where she still makes her home. She has one son, living in Philadelphia, who is a business manager for Temple University.

"Time went so fast. I really miss it," says **Helen M. Haagen** of her years in Housing and Food Service. Mrs. Haagen recently retired after 20 years of University employment as a food service worker.

Although she worked briefly as a food service worker at Redler and Johnston in 1961, the majority of Mrs. Haagen's employment was in Findlay Dining Hall. "You do everything," she says. "You're scheduled around the clock." And Mrs. Haagen's duties took her from dining room to kitchen and from cutting cake, serving students, cleaning tables to fixing salads.

Mrs. Haagen will be joining her husband, Rynln, who retired about five years ago from his job with the Pearce Milk Co. The Haagens reside in State College

Appointments

Joseph C. Atkins as assistant professor of finance at Capitol. B.A., M.A., Ph.D., PSU. Assistant professor, Villanova U.

Thomas J. Bernard as assistant professor of administration of justice at University Park. B.A., U. of Notre Dame; M.S., Southern Illinois U.; Ph.D., SUNY-Albany. Assistant professor, Guilford College.

Robert E. Boering as assistant professor of English at Altoona. B.A., Rutgers U.; M. Div., Princeton Seminary; M.A., Ph.D., Rutgers U. Instructor and lecturer, Rutgers U.

Laurie G. Boyd as assistant professor of theatre at University Park. B.A., U. of California-Berkeley; M.F.A., Connecticut College. Choreographer, Williamstown Theatre Festival.

Simon J. Bronner as assistant professor of folklore and American studies at Capitol. B.A., SUNY-Binghamton; M.A., SUNY-Oneonta. Ph.D., Indiana U. Folklorist, Michigan State U.

Donald R. Chambers as assistant professor of finance at University Park. B.S., SUNY-Binghamton; Ph.D., U. of North Carolina-Chapel Hill. Teaching and research assistant, U. of North Carolina.

Paul H. Cohen as assistant professor of industrial and management systems engineering at University Park. B.S.I.E., U. of Rhode Island, M.S.I.E., Ph.D., Ohio State U. Research associate, Ohio State U.

Pamela C. Colony as assistant professor of anatomy at Hershey. B.A., Wellesley College; Ph.D., Boston U. School of Medicine. Senior research fellow, Harvard Medical School.

Srinivas S. Dalal as assistant professor of math at Wilkes-Barre. B.S., M.S., Ph.D., Karnatak U. (Dharwar, India). Associate professor, Benedict College.

Joan P. Diana as head librarian at DuBois. A.B., College Misericordia; M.S.,

and have one son, John, one daughter, Beverly, and four granddaughters.

Mrs. and Mrs. Haagen plan to do some travelling which they've always enjoyed. Although many of their destinations aren't certain, one "definite" will be a trip to California to visit with their son.

Field supervisor Earl Baum, a member of the Agriculture staff since Sept. 1, 1964, retired Oct. 1.

Betty A. Carter, medical technologist in University Health Services, retired Oct. 1 after serving Penn State since Oct. 1, 1964.

Grace H. Espenshade, patient nourishment assembler, Hershey Medical Center, retired Oct. 1 after serving since Sept. 21, 1970.

Ruth M. Hand, Schuylkill County Extension home economist, retired Oct. 1. She had been an employee of the University since July 1, 1963.

Elwood G. Houtz, residence hall preventive maintenance worker in Housing and Food Service, retired Oct. 1 after working for the University since Sept. 29, 1970.

Murray S. Martin, librarian and associate dean of University Libraries, retired Oct. 1 after serving with the University since Jan. 1, 1967.

Esther N. Spicher, a secretary in the College of Business Administration, retired Oct. 1. She had been a University employee since Aug. 12, 1963.

Marwood College. School library consultant, Pennsylvania Department of Education.

Charles R. Enis as assistant professor of accounting at University Park. B.S. (finance), B.S. (accounting), M.B.A., D.B.A., U. of Maryland. Lecturer, U. of Maryland.

Terry Foch as assistant professor of human development at University Park. B.A., M.A., Ph.D., U. of Colorado. Postdoctoral fellow, U. of Colorado Health Sciences Center.

Jorgie A. Grimes as associate professor of nursing at University Park. B.S.N.E., Wilkes College; M.S.N., U. of Pennsylvania. Assistant professor, SUNY-Buffalo.

Mary M. Hart as assistant professor of individual and family studies at Altoona. B.A., Trenton State College; M.A., Duquesne U.; Ph.D., PSU.

Terence A. Hoagwood as assistant professor of English at Altoona. B.A., U. of Maryland; M.A., American U.; Ph.D., U. of Maryland. Professional lecturer, American U.

Paul R. Howell as assistant professor of metallurgy at University Park. B.A., M.A., Ph.D., Cambridge U. (United Kingdom). Research fellow, Cambridge U.

George R. Imel as assistant professor of nuclear engineering at University Park. A.B., B.S., Lafayette College; M.S., Ph.D., PSU.

Andrew B. Jack as assistant professor of business administration at Capitol. B.A., Queen's U. (Kingston, Ontario); M.A., U. of Toronto (Toronto, Ontario); Ph.D., Harvard U. Economist, New York State Department of Labor.

J. Edward Ketz as assistant professor of accounting at University Park. B.A., M.A., Ph.D., Virginia Polytechnic Institute and State U. Assistant professor, U. of Connecticut.

Walter K. Kunikake as assistant professor of accounting at University Park. B.B.A., M.B.A., U. of Hawaii; Ph.D., U. of Arkansas. Instructor, U. of Arkansas.

Gary L. Lilien as research professor of management science at University Park. B.S., M.S., D.E.S., Columbia U. Associate professor, M.I.T.

George G.S. Lin as assistant professor of engineering at Capitol. B.S., National Taiwan U. (Taipei, Taiwan); M.S., Kansas State U.; D.Sc., Columbia U. Senior staff engineer, Jacobs Engineering Group Inc.

Abdul Sattar Lodhi as assistant professor of physics at Behrend. B.Sc., M.Sc., U. of Karachi (Karachi, Pakistan); M.S., U. of Houston; Ph.D., Baylor U. Postdoctoral, Baylor U.

Deborah J. Medeiros as assistant professor of industrial and management systems engineering at University Park. B.S.I.E., U. of Massachusetts; M.S.I.E., Ph.D., Purdue U. Research assistant, Purdue U.

Robert C. Melton as assistant professor of aerospace engineering at University Park. B.S., Wake Forest U.; M.S., U. of Virginia.

Stephen J. Motowidlo as associate professor of organizational behavior at University Park. B.A., Yale U.; Ph.D., U. of Minnesota. Assistant professor, SUNY-Binghamton.

Carol R. Nchemias as assistant professor of public policy at Capitol. B.A.,

Washington U.; M.A., Ph.D., Ohio State U. Assistant professor, Arizona State U. **James E. O'Brien** as assistant professor of mechanical engineering at University Park. B.S.M.E., U. of Cincinnati; M.S.M.E., Ph.D., U. of Minnesota. Teaching associate and research assistant, U. of Minnesota.

Michael D. Orzolek as associate professor of horticulture extension at University Park. B.S., Alliance College; M.S., West Virginia U.; Ph.D., U. of Maryland. Extension horticulture specialist and staff scientist, U. of Delaware Substation.

Kurt H. Parkum as assistant professor of business administration at Capitol. B.S., M.B.A., The Copenhagen School of Economics (Copenhagen, Denmark); M.S., Ph.D., U. of Wisconsin-Madison; M.P.H., Columbia U. Chairman and associate professor, Queens College.

Robert T. Perry Jr. as assistant professor of general engineering at Altoona. B.S., M.S., Ph.D., Texas A & M U. Assistant scientist, U. of Wisconsin-Madison.

William K. Rawlins as assistant professor of speech communication at University Park. B.A., U. of Delaware; M.A., Ph.D., Temple U. Part-time faculty, Temple U. and U. of Delaware.

Heikki J. Rinne as assistant professor of marketing at University Park. B.S., Brigham Young U.; M.B.A., U. of Oregon. Instructor, Purdue U.

James R. Russo as assistant professor of English at Altoona. B.A., M.A., M.F.A., Ph.D., U. of Arizona. Assistant professor (visiting), Arizona State U.

Carolyn E. Sachs as assistant professor of agricultural economics and rural sociology at University Park. B.A., Alma College; M.A., Ph.D., U. of Kentucky. Teaching and research assistant, U. of Kentucky.

Peter Saller as assistant professor of graphic design at University Park. B.F.A., M.F.A., Yale U.

Eugene Schlossberger as assistant professor of philosophy at Altoona. B.A., Brandeis U.; M.A., Ph.D., U. of Chicago.

Richard D. Sheardy as assistant professor of chemistry at Hazleton. B.S.T., Michigan State U.; Ph.D., U. of Florida. Postdoctoral research fellow, U. of Rochester.

James S. Shortle as assistant professor of agricultural economics and rural sociology at University Park. B.U.S., M.A., U. of New Mexico; Ph.D., Iowa State U. Research associate, Iowa State U.

Robert L. Wadlinger as assistant professor of chemistry at Capitol. A.B., La Salle College; Ph.D., Catholic U. of America. Assistant professor, Elmira College.

David J. Wall as assistant professor of civil engineering at University Park. B.S., M.S., U. of Connecticut; Ph.D., U. of Pittsburgh. Assistant professor, U. of Pittsburgh-Johnstown.

Clinton E. White Jr. as assistant professor of accounting at University Park. B.A., Western Kentucky U.; M.B.A., U. of Louisville; D.B.A., Indiana U. Lecturer, Indiana U.

Savas Yavuzkurt as assistant professor of mechanical engineering at University Park. B.Sc., Middle East Technical U. (Ankara, Turkey); M.Sc., Ph.D., Stanford U. Research fellow and instructor, Israel Institute of Technology (Haifa, Israel).

Four Penn Staters are featured in traveling art exhibition

Works by four artists who received their MFA degrees from the University are included in the exhibition "Traditions: The Region/The World" sponsored by Arttrain. The exhibition, installed in the cars of a railroad train, is traveling primarily through the midwestern and northeastern parts of the United States.

The four artists are William D. Davis (1980), assistant director of the Museum of Art; Charles Gibbons (1973), assistant professor of art at New Kensington; Rick Paul (1970), of the art faculty at Purdue University; and Alan Larkin (1977), of the University of Indiana art faculty.

Mr. Davis' piece of graphite on museum board is entitled "Black Hat-Black Glove." "Northmarland Park" by Mr. Gibbons is a painting of acrylic on canvas, and Mr. Paul's "Nagla II" consists of acrylic and a pencil on paper. Mr. Larkin's work is a color lithograph entitled "Pneumoniacs."

One of the most popular pieces in the collection is a bronze sculpture from the Museum of Art's permanent collection, Paul ManSHIP's "Europa and the Bull."

Arttrain's tour through Pennsylvania is sponsored in part by the Pennsylvania Commonwealth Council on the Arts.

University Park Calendar

October 1-11 Special Events

Thursday, Oct. 1

Sigma Xi, scientific research honorary, first meeting, 3:30 p.m., Noll Laboratory, 330-430, Dr. Elsworth R. Buskirk, Laboratory director, on "Human Performance Research—A Review of Activities," 4:00-4:30 p.m., guided tour of the laboratory, 4:40-5:00, refreshments.

Shavers Creek Environmental Center, Hawk Mountain Trip, 6 a.m.-7 p.m. Registration, 865-1851.

Nursing Consultation Center, "Learning to Relax" series begins, 3:30 p.m., Consultation Center.

Sports: baseball vs. Lock Haven, 3 p.m.; field hockey vs. Delaware, 3:30 p.m.

Friday, Oct. 2

Craft Demonstration, 11:30 a.m., Kern Lobby, Commonsplace Theatre, *Atlantic City*, 7 and 9 p.m., Room 112 Kern.

Cinemathèque Film, *Chinatown*, 7 and 9:15 p.m., Room 10 Sparks Bldg.

Interlanka Folk Dancing, 7:30 p.m., HUB Ballroom.

URTC, Jacobs/Casey, Grosse, 8 p.m., The Playhouse.

GSA Coffeehouse, 8 p.m., Room 102 Kern.

Artists Series, Carlos Montoya, Guitarist, 8:30 p.m., Eisenhower Auditorium.

Sports: soccer vs. Fordham, 7:15 p.m.; JV football vs. Rutgers, 1:30 p.m.

Saturday, Oct. 3

France-Cinema, Visconti, *Death in Venice*, 7 and 9 p.m., Room 122 Kern.

Cinemathèque Film, *Chinatown*, 7 and 9:15 p.m., Room 10 Sparks Bldg.

URTC, Jacobs/Casey, Grosse, 8 p.m., The Playhouse.

Sports: football vs. Temple (All-University Day), 1:30 p.m.; men's cross country, Penn State Open, 11 a.m.

Sunday, Oct. 4

Health Expo '81, 10 a.m.-5 p.m., 11 a.m.-2 p.m., "Fun Run," 1 p.m., HUB Lawn. Sponsored by University Health Services and USG.

Shaver's Creek Environmental Center, Guided walk, "Pods, Frickles and Parachutes," 1-3 p.m., Environmental Center.

Commonsplace Theatre, *Atlantic City*, 7 and 9 p.m., Room 112 Kern.

Sports: baseball vs. Bloomsburg, (DH), 1 p.m.

Monday, Oct. 5

Health Expo '81, 1-7 p.m., HUB. Keynote speech by Dr. C. William Hettler, III, "The Wellness Revolution," 8 p.m., Schwab Auditorium. Sponsored by University Health Services and USG.

France-Cinema, Visconti, *Death in Venice*, 7 and 9 p.m., Room 122 Kern.

June Miller, organ recital, 8:30 p.m., Music Building Recital Hall.

Tuesday, Oct. 6

Health Expo '81, 10 a.m.-7 p.m., HUB. "Runners Clinic," moderated by Pete Bortolotti, president, Nittany Valley Track Club, 7:30 p.m., HUB Ballroom. Centre Area Health Council panel discussion, "How Community Medical Centers Serve the Needs of the Area, with Emphasis on the Proposed Bellefonte Center," moderated by Carl Beymel, Keystone Health Systems Agency, 8 p.m., Schwab Auditorium.

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Sports: field hockey vs. Maryland, 3:30 p.m.

Wednesday, Oct. 7

Robeson Cultural Center, "Careers Unlimited"—careers in business and industry, 10 a.m.-4 p.m., Walnut Building.

Health Expo '81, 10 a.m.-5 p.m., HUB. Disaster drill simulating a plane crash, 6:30 p.m., East Halls area. Spectators welcome. Sponsored by University Health Services and USG.

Sports: baseball vs. Juniata, 3 p.m.

Instructional Development Program workshop for faculty, "Communication Skills for Teachers in Large Classes," 9:30-11 a.m., Room 305 HUB.

Thursday, Oct. 8

Robeson Cultural Center, "Careers Unlimited"—careers in business and industry, 10 a.m.-4 p.m., Walnut Building.

Commons Film Series, *Think Dirty*, 7 and 9 p.m., Room 112 Kern.

Penn State Dames meeting, 7:30 p.m., Room 101 Kern.

Instructional Development Program workshop for faculty, "Communication Skills for



A ceramics exhibit by Ok Hi Lee currently is on display in Chambers Bldg. Gallery. The show has been extended until Oct. 11.

Teachers in Large Classes," 3-4:30 p.m., Room 305 HUB.

Friday, Oct. 9

Craft Demonstration, 11:30 a.m., Kern Lobby. HUB Craft Center registration for second session classes, noon-5 p.m., Room 312 HUB, through Oct. 22.

Cinemathèque Film, *The Godfather*, 7 and 10 p.m., Room 10 Sparks Bldg.

Interlanka Folk Dancing, 7:30 p.m., HUB Ballroom.

GSA Coffeehouse, 8 p.m., Room 102 Kern.

Artists Series, Phyllis Newman, *The Madwoman of Central Park West*, 8:30 p.m., Schwab Auditorium.

Sports: soccer vs. Maryland, 7:15 p.m.; JV football vs. Milford Academy, 2 p.m.

Saturday, Oct. 10

Cinemathèque Film, *The Godfather*, 7 and 10 p.m., Room 10 Sparks Bldg.

Sports: football vs. Boston College (Homecoming), 1:30 p.m.

Sunday, Oct. 11

Shaver's Creek Environmental Center, "Run for the Fall Colors," 10,000-meter Open, 10 a.m.-two-mile "Fun Run," 10:15 a.m., Stone Valley Recreation Area.

Indoor Sports Complex, open house, 4-6 p.m.

Sports: men's lacrosse vs. Alumni, 11 a.m.; baseball vs. Lock Haven (DH) 1 p.m.

Seminars

Thursday, Oct. 1

Ceramic Science 500 Seminar, 11 a.m.-noon, 301 Steidle Bldg. Dr. P.N. Walsh, Linde Division, Union Carbide, on "Preparation of Coatings by CVD and Plasma Detonation."

State College Women's Forum, noon-1:30 p.m., Assembly Room, Walnut Bldg. Dr. Carolyn Sachs, assistant professor of rural sociology, on "Women in American Agriculture." Bring a bag lunch.

Physics Colloquium, 3:30 p.m., 117 Osmond Lab. C. M. Johns, Johns Hopkins University, on "Grand Unification and Cosmology."

Fuel Science Seminar, 4 p.m., Room 301 Steidle Bldg. Dr. C. T. Ratcliffe, Exxon Research and Engineering Co., on "Unusual Reaction Chemistry of Selected Sulfur Compounds with Coal."

Math Colloquium, 4 p.m., Room 104 McAllister Bldg. Professor M. Delfour, Université de Montréal, on "The Role of the Product Space in the Theory of Linear Systems with Delays in State and Control Variables."

Friday, Oct. 2

Analytical Chemistry Seminar, 11 a.m., Room 333 Whitmore Lab. Gary Small, on "An Interactive Software System for the Simulation of 13C NMR Spectra."

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker Bldg. Barbara Miller, acquisitions librarian, Schlow Memorial Library, on "Who Reads What? Book Selection and Readship in a Small Town Library."

Monday, Oct. 5

Geosciences Colloquium, 3:45 p.m., Room 101 Kern. Dr. Claude Herzberg, Dept. of Geological Sciences, Rutgers University, on "Magma Densities at High Pressure: Geophysical and Geochemical Implications."

MC3B Seminar, 4 p.m., Room 101 Althouse Lab. Dr. Randall R. Reed, Dept. of Molecular Biophysics and Biochemistry, Yale University, on "Transposon Mediated Site Specific Recombination."

Philosophy Colloquium, 4 p.m., Room 220 Willard Lab. Professor Bernhard Waldenfels, Ruhr-Universität Bochum, Institut für Philosophie, on "The Despoised Doxa: Husserl and the Continuing Crisis of Western Reason."

Interdisciplinary Symposium on Value, 8 p.m., Room 101 Kern. Christopher Johnstone, Delaware County Campus, on "Ethics, Communication, and the Pursuit of Wisdom."

Central Pennsylvania Society of the Archeological Institute of America, illustrated lecture, 8 p.m., Room 120 Carnegie Bldg. Dr. Clemency Coggins, research associate, Peabody Museum, Harvard University, on "The Tombs and Temples of Tikal Guatemala."

Tuesday, Oct. 6

Chemical Engineering Seminar, 3:45 p.m., Room 140 Fenske Lab. William A. Steele, professor of chemistry, on "Simulation of the Structure and Dynamics of Simple Molecular Liquids."

Human Factors Seminar, 4-5 p.m., Room 210

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Hammond Bldg. Dr. Eliezer Kamen, professor of physiology, on "Physiological Basis for Scheduling Work and Rest During Physical Work."

Poetry Reading by Gerald Stern, author of "The Red Coal," 3:30 p.m., Rare Books Room, Pattee Library. Sponsored by the Institute for the Arts and Humanistic Studies, English Department, and the Pennsylvania Council on the Arts.

Wednesday, Oct. 7

Penn State Mining Engineering Society, 8:30 p.m., Room 26 Mineral Sciences Bldg. Dr. W.C. Hamilton, senior staff scientist, Conoco, Inc., on "Perspectives on the Acid Rain Issue."

Thursday, Oct. 8

Ceramic Science 500 Seminar, 11 a.m.-noon, Room 301 Steidle Bldg. Dr. J.H. Blanks, Alcoa Labs, on "Electrical Conductivity of Magnesian Slags: Property Determination in an Aggressive Solid-Liquid System."

Physics Colloquium, 3:50 p.m., Room 117 Osmond Lab. D. Schramm, University of Chicago, on "The Very Early Universe."

Fuel Science Seminar, 4 p.m., Room 301 Steidle Bldg. Dr. Terry Baker, Exxon Research and Engineering Co., on "Metal-Carbon Interactions."

Friday, Oct. 9

Analytical Chemistry Seminar, 11 a.m., Room 333 Whitmore Lab. John Stahl, on "Sulfur Speciation."

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker Bldg. Rob Haswell, professor of geography, Louisiana State University, on "The Making of Historic South African Townscapes."

Exhibits

Kern Gallery: open Monday through Saturday, 8 a.m.-11 p.m., Sunday, noon to 11 p.m.

Jim Dupree, paintings, through Oct. 10; Jans Merston, weavings, through Oct. 2; Linda Newby, feather jewelry, Ziggy Coyle, day, Jan Brennis, paintings, opens Oct. 3.

Museum of Art: open 11 a.m.-4:30 p.m.

Closed Mondays. Tours, Sundays, 1:30 p.m.

Hemline, Neckline, Streamline: Women's Fashions from 1890-1940 from the collection of Beverly Bels, through Oct. 4. Oriental Works from the Museum's collection.

Pattee Library: Charles Hollingsworth, paintings, through Oct. 9. Bertolt Bucher, photographs from the East German Government, opens Oct. 9. East Corridor Gallery. Travels in Greece: Ink Wash Drawings by Wendy Snetinger, through Oct. 8; Mary Pat Ford, studio photographs, opens Oct. 9. Lending Services Lobby. Bess Gunglesky, relief sculpture, through Oct. 2. Sandy Sandmeyer, recent work in batik, opens Oct. 2. Second Floor East. High lights from the Allison-Shelley Collection, Rare Books Room.

Paul Robeson Cultural Center: John T. Harris, works in water color, pencil and other media, through Oct. 2.

Visual Arts Bldg. Zoller Gallery. Gallery Hours: 9 a.m.-5 p.m., Monday through Friday. Saturdays and Sundays, noon-5 p.m. The School of Visual Arts Faculty Exhibition.

Organ recital scheduled Oct. 5

An organ recital will be presented by June Miller, associate professor in the School of Music, at 8:30 p.m., Monday, Oct. 5, in the Music Bldg. recital hall.

The program of works by German and French composers from the Baroque, Romantic and Contemporary periods will open with Max Regner's Toccata and Fugue in D, opus 59. Three pieces by J.S. Bach—the Sonata No. 2 in C Minor, "Liebster Jesu, wir sind hier" and the Prelude and Fugue in C—will complete the first part of Ms. Miller's recital.

The Allegro vivace from C.M. Widor's Symphony V will open the second portion of the program. Two selections from N. deGrigny's "Premiere Livre d'Orgue"—the "Recit de tierce en taille" and "Basse de trompette ou de cromorne"—will follow. Ms. Miller will perform the Meditation VI from "Méditations sur le Mystere de la Sainte Trinite" by O.

Messiaen and M. Duruflé's "Prelude sur l'Introuvable Epiphany." Her program will close with a movement from L. Vienne's Symphony II, the Final: Maestoso.

Ms. Miller, who teaches organ and harpsichord, has performed extensively and given lecture-demonstrations and workshops throughout Pennsylvania.

Her recital is being sponsored by the School of Music. There is no admission charge and the public is welcome.

Bird Seed Sale

The Shaver's Creek Environmental Center is sponsoring a bird seed sale. Seed should be pre-ordered by picking up an order form at 267 Recreation Bldg., or at the Environmental Center. Orders must be received by Oct. 10. For more information call 865-1851 or 238-5872.

Guest to lecture on poetic speech

Dr. Dell Hymes, professor of folklore and linguistics and dean of the College of Education at the University of Pennsylvania, will present a public lecture entitled "In Vain I Tied to Tell You: American Indian Myth as Poetic Speech" at 8 p.m. Thursday, Oct. 8, in Room 273 Willard Bldg.

Dr. Hymes is considered one of the most important figures in linguistics, anthropology and folklore in the United States today. His work on American Indian languages, sociolinguistics, and the relationship of language and culture is known worldwide. He is author or editor of six books, in addition to numerous technical and professional articles in his fields.

Dr. Hymes holds a B.A. in anthropology and literature from Reed College, and an M.A. and Ph.D. both in linguistics, from Indiana University. Before joining Penn's faculty in 1965, he taught at the University of California at



Dr. Hymes

Berkeley and Harvard University. His visit is being sponsored by the Linguistics Program with the support of the College of Education and the Distinguished Lecturer series of the Graduate School.

AMERICA'S
ENERGY IS



Mindpower Week nears

The University is among 1,000 colleges and universities observing Mindpower Week Oct. 3-11 to generate support for higher education.

Mindpower Week is part of a year-long campaign organized by the Council for Advancement and Support of Education (CASE), with the theme, "America's Energy is Mindpower."

The goal is to enhance public understanding and appreciation of higher education's value to society and the contributions of college-educated citizens, as well as to alleviate the greatest problem faced by higher education — getting adequate funding.

The campaign is being financed by CASE member institutions, the Exxon Education Foundation, the Atlantic-Richfield Foundation, Newsweek and other corporations.

The honorary campaign committee includes: Sen. Bill Bradley, Bill Cosby, Norman Cousins, Milton Eisenhower, Gerald Ford, J. William Fulbright, Katharine Graham, Helen Hayes and Shirley M. Hufstader.

The NCAA has adopted the Mindpower theme for the football season. The campaign began with observance of the first National Support Higher Education Day July 16 in Washington D.C.

Exxon grant

(Continued from page 1)

are offered in these fields: chemical, petroleum, electrical, mechanical, mining and civil engineering, computer sciences and geology. Selection of individual

Meats Lab has sales

Retail meat sales are being conducted every Friday from 1:30-4:00 p.m. at the Meats Laboratory located near Beaver Stadium.

The meat is from the University herds and is slaughtered and cut by students in the Animal Industry and Food Science classes.

The store carries all the retail cuts of beef, pork, and lamb which includes steaks, chops, hamburger and sausage. Customers should be at the Meats Laboratory at or before 1:30 p.m. at which time they will draw a number for service.

Children's program set

A program in basic movement skills, educational gymnastics, and games will be sponsored by the College of Health, Physical Education and Recreation for children in kindergarten through third grade.

The program will be held on Tuesdays from 4 to 5 p.m., Oct. 6 through Nov. 10 in Room 126 White Bldg. Registration will be Oct. 6 at 3:45 p.m. in the White Building lobby.

Oct. 4-7

Health Expo to have 50 exhibitors

A nationally-known speaker on "wellness" and about 50 exhibitors representing health interest groups will make up the core of Health Expo '81 — four days of health promotion at the University.

Health Expo '81, co-sponsored by University Health Services and the Undergraduate Student Government, will be held Oct. 4 to 7 to encourage students and community members to adopt healthier lifestyles.

The exhibits and programs, free and open to the public, will include: CPR, fat diets, stress reduction, abusive drinking, rape prevention, death and dying, human sexuality, birth control, infertility, aerobics, fitness, reading food labels, jogging safely, employee wellness, binge eating and sexually-transmitted infections.

Hours for the exhibits in the Hetzel Union Building will be Monday, Oct. 5, 1 to 7 p.m.; Tuesday, Oct. 6, 10 a.m. to 7 p.m.; Wednesday, Oct. 7, 10 a.m. to 5 p.m.

Dr. G. William Hettler III will deliver the keynote speech, "The Wellness Revolution," at 8 p.m. Monday, Oct. 5, in Schwab Auditorium.

Dr. Hettler, a physician from the University of Wisconsin at Stevens Point, has gained nationwide recognition in recent years for promoting the wellness concept, which he defines as a process in which a person becomes aware of, and makes choices leading to, a healthier existence.

Kicking off Health Expo '81 on Sunday, Oct. 4, will be a 10,000-meter race at 11 a.m. and a two-mile "Fun Run" at 1 p.m. The runs will start and finish on the HUB lawn.

A Runners' Clinic will take place at 7:30 p.m. Tuesday, Oct. 6, in the HUB

Ballroom, moderated by Pete Bortolotti, president of the Nittany Valley Track Club.

The Centre Area Health Council will hold a panel discussion on "How Community Medical Centers Serve the Needs of the Area, with Emphasis on the Proposed Bellefonte Center" at 8 p.m. Tuesday in Schwab Auditorium. The moderator will be Carl Boymel, senior associate with the Keystone Health Systems Agency.

A disaster drill simulating a plane crash, involving area police, fire and ambulance services, will be held at 6:30 p.m. Wednesday, Oct. 7, in the East Halls area of the campus. Spectators are welcome.

Other events and programs will include: continuous CPR demonstration, lifestyle self-assessment, an "aerobic eyepencer" every morning on the HUB lawn, continuous films, a health museum and health screenings.



Dr. Hettler

Carlos Montoya to open Music Series

The Music Series of Penn State's Artists Series will open its season at 8:30 p.m. Friday, Oct. 2, in Eisenhower Auditorium with a performance by world-renowned flamenco guitarist Carlos Montoya.

One of the most widely heard performers in any concert genre, Montoya has brought his flamenco music to virtually every outpost of the free world, from the U.S. and Canada to Europe and the Orient, eliciting critical acclaim and audience enthusiasm everywhere.

In addition to his globe-girdling tours, Montoya also has won international favor through his many recordings (he is the most recorded flamenco artist in history) and has, in fact, become the living symbol of flamenco music the world over.

A Spanish Gypsy born in Madrid, Montoya demonstrated his innate musical brilliance while still a child and by the age of fourteen was the toast of the "cate

cantantes" during the hey-day of flamenco singing and dancing. His debut as a concert artist was preceded by years of accompanying such distinguished dancers as La Argentina, Vicente Escudero and Argentina.

The first flamenco guitarist ever to dare to display his artistry in a solo concert, he has been hailed by aficionados everywhere as one of the truly great masters of our time. His advanced technique, his flair for inventive innovation and his infinitely varied repertoire represent creative playing in the fullest sense of the term.

Tickets for the Carlos Montoya concert are on sale at the Eisenhower Auditorium box office and the HUB box office. Box office hours are 9:00 a.m. to 4:00 p.m., weekdays. Phone orders on MasterCard/Visa will be accepted at 863-0255 during box office hours.

recipients will be made by the colleges and universities.

Other Pennsylvania institutions, in addition to Penn State, receiving the awards are Carnegie-Mellon and Lehigh universities and the universities of Pennsylvania and Pittsburgh.

The Exxon Education Foundation was established in 1955 by the Exxon Corporation as a nonprofit corporation to aid education, primarily in the United States. The engineering education funding is in addition to the Foundation's regular programs, which total \$22 million in 1981.

Senate

(Continued from page 1)

proposed change to PS-23 is intended to provide a clearer statement of the appropriate procedures for evaluating teaching effectiveness. The committee proposes that procedures and methods of evaluation shall be selected by which members of individual academic units.

Any proposal for revision to PS-23 that is passed by the Senate becomes a recommendation from that body to the President and must be acted upon by him before it becomes policy.

In business carried over from its last meeting, the Senate will continue its discussion of a special committee's legislative report on computer informational systems. Having passed the first of six recommendations — that the Senate through its committees consider

the establishment of a computer literacy requirement within the baccalaureate degree program — the Senate will consider the remaining proposals, through which the University could more efficiently and with more unity utilize its computer and informational systems.

In other legislative business, the Senate will consider proposals from the Committee on Academic and Athletic Standards for changes to "Academic Policies and Procedures for Undergraduate Students," published annually in the *Penn State Student Handbook*. The changes are needed to make student rules conform with the early semester calendar system.

The Senate also will hear a legislative report from the Committee on Undergraduate Instruction on proposed changes to one section of the policy regarding adjudication of grades, also

published in the *Penn State Student Handbook*.

Heading the informational report is the Faculty Affairs Committee's on "A Study of the Sabbatical Leave Program." Undertaken in 1980 and 1981, the purpose of the study was to determine the present status of the program; to assess it in comparison with sabbatical programs at similar universities, and to elicit the reactions of the faculty to the program.

The committee will explain how the study accomplished its goals and will highlight some of the most significant findings.

The second of the two informational reports on the agenda will be presented by the Committee on Undergraduate Instruction, which will expand its "Annual Report on the Distribution of Grades" with sections on "Dean's List" and "Graduation with Distinction."

Electronics use hones skills in CBA's Behavioral Learning Center

Using television to teach isn't new, as thousands of past and present Penn State students who have taken Accounting 101 can testify.

What is new are the different ways in which television production is being employed to promote instruction and faculty research in the College of Business Administration.

Tucked away in six rooms on the second floor of the Business Administration Building is the College's Behavioral Learning Center featuring four television cameras, video cassette recorders, a special effects generator, six TV monitors,

a complete audio system, observation rooms with one-way windows and telephone hook-up with the University computer.

"I would say that this center is among the most up-to-date of its kind in the country," notes Robert E. Griffin, instructional specialist, who oversees the center's operation.

One of the best-known uses of the Behavioral Learning Center is for the interview simulation programs conducted by master of business administration students and by some undergraduates. Students go through "practice"

interviews with actual corporate representatives which are videotaped and available for critique afterwards.

MBA students and honors undergraduates also use the center to hone communication skills in oral business presentations. The students make their presentations which are videotaped and then reviewed by the student and instructor.

MBA students do this six times each year and the presentations are edited onto a master cassette which the students may keep to evaluate progress.

There are other ways to use the center for instruction, says Mr. Griffin. An organizational behavior class, for example, participates in "gaming simulations."

"The class is divided into several groups in separate rooms within the center," he explains. "Each group can be checked from the control room. The instructor gives students a simulated problem and then introduces new developments at various stages."

"The students are linked to the University computer so they can work on the problem and the new developments. We could never have done anything like this in Boucke Building, where the College of Business Administration previously was located."

The one-way windows in rooms surrounding the control room are sometimes useful for experiments. For example, consumers have been videotaped with a television camera concealed behind an observation window to get their reactions to certain soybean-based food products.

They were queried on things such as taste, desirability, price and appeal of packaging. Later, they were informed that the conversations were videotaped — after giving their permission — their comments were used for further study.

"We're finding more use of the center by faculty and students each year," Mr. Griffin says. "The faculty are more acclimated to what the center can do for them and new faculty members frequently bring some media skills with them to Penn State."

The Behavioral Learning Center went into operation in Fall Term, 1976, and records on its use have been gathered quarterly since 1978. The records show that use by faculty and students has more than doubled in the past three years.

As recently as the fall of 1980, the center was operated by one graduate assistant and two part-time employees. Now there are five part-timers in addition to the grad assistant.

The television capabilities of the center have accounted for 44 percent of its use time this year while the computer link accounts for another 32 percent. It has been used for observation 20 percent of the time while audio capabilities alone account for another 4 percent of its use.

"The College of Business Administration's commitment to the Behavioral Learning Center has been stronger than similar efforts at many other schools," Mr. Griffin says, "and I anticipate that the center's use will continue to grow as new ideas for the facilities here are discovered by faculty and students."



Photo: Scott Johnson

Tamir Drizin, a senior marketing major, works with the equipment in the Behavioral Learning Center's control room.



Scott Lederer, an MBA candidate (left), goes through an interview simulation with Dick Hess, assistant director of the University's Career Development and Placement Center, in the College of Business Administration's Behavioral Learning Center.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Oct. 8, 1981. DO NOT CONTACT THE AREA THAT HAS THE vacancy.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

PROGRAM ASSISTANT, COMMONWEALTH EDUCATIONAL SYSTEM, SCHUYLKILL CAMPUS Provide assistance to the area director in planning, implementing and conducting a continuing education program for the campus service area; responsible for supervising office procedures, exercising fiscal control; and maintaining related records. Bachelor's degree plus one to two years related experience.

AREA REPRESENTATIVE, COMMONWEALTH EDUCATIONAL SYSTEM, DELAWARE COUNTY CAMPUS Responsible for the functions of

development, organization, operation, and administration of continuing education programs and services within an assigned geographic district. Bachelor's degree or equivalent, plus two to three years of directly related experience.

CLINICAL DIETITIAN, COLLEGE OF MEDICINE, HERSHEY Responsible to the manager, Patient Nutritional Care, for providing nutritional care to

Extension Professors set promotion-tenure forum

The Extension Professors Association in the College of Agriculture is sponsoring a day-long forum and discussion on promotion and tenure Friday, Oct. 9, at the Nittany Lion Inn. It is open to all College of Agriculture faculty members.

Speakers will include Dr. Samuel H. Smith, dean of the College; Dr. Richard C. Cunningham, chairman of the University Promotion and Tenure Committee; Dr. Rosemary Schraer, associate provost; Dr. Thomas B. King, College of Agriculture Promotion and Tenure Committee, and Dr. Ernest L. Bergman, a former College of Agriculture representative on the University Promotion and Tenure Committee.

All are being asked to speak briefly on

selected individual and/or patient groups by assessing nutritional needs, developing and implementing nutritional care plans and evaluating and reporting results appropriately. Bachelor's degree in food and nutrition or equivalency, plus an approved internship or traineeship, coordinated undergraduate program and registration, plus one to two years of effective experience.

the interpretation of tenure and promotion requirements and rules as presented in PS-23, and to identify what each level committee considers when making promotion and tenure decisions.

Reservations are required. For more information contact Marcia Bepler, 865-6551, or Don Daum, 865-7685.

Banks join salary deposit

The Treasurer's Office has reported that the following banks will participate in the University's salary deposit service, effective Oct. 16: Equibank; Pittsburgh; Union National Bank of Pittsburgh; Mellon Bank, N.A., Pittsburgh; First National Bank of Spring Mills, and Dauphin Deposit Bank & Trust Company, Harrisburg.

Funding Sources

For further information, call 865-1375

365-13 The National Research Council plans to award approximately 35 **Postdoctoral Fellowships for Minorities**. Fellowship recipients will be selected from among scientists, engineers, and scholars in the humanities. The competition is sponsored by the Ford Foundation. Awards will be made in the areas of behavioral and social sciences and EMP fields (engineering sciences, mathematics, physical sciences, life sciences, and interdisciplinary programs). **Tenure of fellowship provides postdoctoral research experience at the institution of the fellow's choice.** Stipend levels are \$18,500 for regular and \$25,000 for senior postdoctorals. The deadline is February 1, 1982. (Ref. NRC announcement)

368-21 The National Research Council announces **1982 Research Association Awards Programs** for research in the sciences and engineering to be conducted in 18 federal research institutions. Approximately 250 new full-time associationships will be awarded for research in chemistry, engineering, mathematics, and in the earth, environmental, physical, space, and life sciences. Awards are for a year with possible extensions for a second year. Stipends range from \$22,400 for recent Ph.D.s to \$50,000 for senior associates. The deadline is January 15, 1982. For information call (202-389-6554). (Ref. NRC announcement)

Penn State Intercom

Enlarged Penn State Fund Council meets, outlines major objectives

"If ever a university was ready to make significant gains in private support, it is Penn State University," President Oswald has told the Penn State Fund Council.

Members of the newly-enlarged Fund Council held their first meeting Friday and Saturday, Oct. 2 and 3, at University Park.

During the two-day session, Council members organized and developed plans for achieving their primary objective: to support, as volunteers, Penn State's efforts to increase private giving from \$11.4 million to \$20 million annually within the next several years.

"The Fund Council is meaning more to the University with each passing year," Dr. Oswald said. "With an enlarged and active membership, the University's decision to strengthen activities within the Office of Gifts and Endowments, and the increased emphasis being given private fund-raising by senior academic officers and their faculties, we are truly ready to reach new heights in private fund-raising."

"Penn State is a vital, vigorous institution attractive to students. As we begin this new level of effort, there is a readiness. I can assure you that there is a need if this institution is to be able to continue to do things well."

Dr. Richard E. Grubb, senior vice president for administration, told the opening luncheon in the Nittany Lion Inn that upgrading private fund-raising is a priority for the University. "Senior academic officers have defined fund-raising as a major priority," he said.

Lawrence G. Foster, Jr., corporate vice president, public relations, Johnson & Johnson, and president of the Fund Council, noted that "this University is a very vital part of the mainstream of America."



President Oswald meets with Lawrence G. Foster, Jr., right, president of the Penn State Fund Council, and Louis E. Lasch, left, Council member, at the group's opening session

"We may have underestimated that point in the past," he said. "As we engage in fund-raising in the real world of competitive philanthropy, that fact vastly broadens the potential."

At the Council's first business session in the Faculty Building, members heard reports on five categories in the University where private funding is of critical importance. Presentations were Provost Eddy, academic enrichment; Dr. Paul Axt, professor of mathematics and head of the University Scholars Program, scholarships and fellowships; Dr. Stuart Forth, dean of the University Libraries; Dr. Wilbur Meier, dean of the

College of Engineering, equipment, and President Oswald, facilities construction and renovation.

An overview of the organization of the Office of Gifts and Endowments, fund-raising capabilities within the colleges, and existing relationships with potential funding organizations also was presented by Charles Lupton, OGE executive director.

At business sessions Friday and Saturday, Council members conducted detailed discussions on how they can most effectively contribute to the private fund-raising program. Committees were organized which will work with OGE staff

members in identifying how the committees and individual committee members can be most useful in gaining financial support for programs and projects.

Council committees and their co-chairmen are:

Alumni and Friends, Jay B. Claster, president, M.L. Claster & Sons, Inc., and Philip H. Cease, vice president, personnel, Kinney Shoe Corporation. Bequests and Deferred Giving Committee, Paul J. Levine, Attorney, Morgan, Lewis & Bockius, and Glenn E. Thomson, attorney. Corporations and Foundations, Edward R. Hintz Jr., president, Hintz & Holman, Inc., and F. Richard Nichol, president, Institute for Biological R & D, Inc.

Fund Council members, besides Mr. Foster, who attended the meeting were: Richard A Benefield, general manager, Hotel Magee; Edward R. Book, chairman and chief executive officer, HERCO, Inc.; Samuel B. Casey Jr., former chairman of the board and chief executive officer of Pullman, Inc.; Mr. Cease; Mr. Claster; Marian U. Coppensmith, president, Barash Advertising; George H. Deike Jr., retired vice chairman of the Board of Directors and secretary, Mine Safety Appliances Company; Robert L. Elmore, president and owner, Hardvires Company; Jay H. Feldstein, president, Feldstein, Grinberg, Stein & McKee; Philip M. Greenberg, retired president, Energy Development Corporation; Mr. Hintz; J. Lloyd Huck, president and chief operating officer, Merck & Company, Inc.

Owen E. Landon Jr., president, Landon Associates, Inc.; Louis E. Lasch, partner, Meyer, Lasch, Hankin & Poul; Mr. Levine;

(Continued on page 3)

President appoints commission to deal with concerns of women

President Oswald has established an 18-member commission to deal with concerns of women at the University.

In particular, Dr. Oswald said, The Pennsylvania State University Commission for Women will "foster a climate supporting academic success" of women at the University.

"I expect to meet with the commission on occasion for mutual discussion of issues affecting women at Penn State," Dr. Oswald said. "I am confident that the University, through the work of the Commission for Women, can influence significantly the quality of life for all members of the University community."

Jane E. McCormick, assistant vice president for student affairs, has been named commission chairperson. Seventeen other University women — faculty and staff members, students and volunteers — will serve on the commission with her.

In addition to the primary purpose, the commission, Dr. Oswald said, will serve as:

— a central focus and forum for issues and concerns of women at Penn State;

— a coordinating mechanism and information clearinghouse for programs for women; and

— an advocate for women's concerns by providing advice and consultation or conducting special studies when appropriate.

"In the planning document, 'A Perspective on the '80s,' the University reaffirmed its commitment to improving the climate for women faculty and staff members and students," Dr. Oswald said. "Since 'A Perspective' was adopted by the Board of Trustees in January, 1980, a number of programs have been created to encourage Penn State women to further their education and development."

Citing the contributions of such programs as the Connect Advisory Committee, the Women's Forum, Campus Colleagues, the Alumni Association's Alumnae Day and the Panhellenic Council's Women's Awareness Week, Dr. Oswald noted that the relatively new Women's Studies Option is the only official University unit with "women" in its title.

"The faculty members responsible for the option, therefore, receive many requests for information, speakers and advice which a primarily academic unit is not able to provide without diluting its missions," Dr. Oswald said.

"In addition, women faculty and staff members and students increasingly are being included on standing and ad hoc committees throughout the University. Because of the limited number of women available for such roles, the burden has fallen on the shoulders of a few. I am hopeful that the Commission for Women can address these problems as well."



Jane McCormick

Those who will serve with Ms. McCormick on the commission are:

Dr. Maureen A. Carr, professor and director, School of Music; Dr. Carol A. Cartwright, professor of education and acting associate dean, Commonwealth Educational System; Dr. Patricia Farrell, associate professor and chair, Department of Parks and Recreation; June Gamble, president, Faculty Women's Club; Kathryn Johnson, co-chair, Department of Women's Affairs, Undergraduate Student

(Continued on page 2)

Enrollment for Fall Term is up

Preliminary fall term enrollment at the University is 1,353 higher than the comparable figure for last year. This year's preliminary enrollment for all 21 Penn State campuses is 56,634.

"We have record-high preliminary enrollment figures at seven of the 16 Commonwealth Campuses," Dr. Robert E. Dunham, vice president for undergraduate studies, said. "The total preliminary figure for the Commonwealth Campuses — 17,958 — also is the highest ever reported."

Dr. Dunham said the preliminary enrollment was "higher than we expected" and some cases exceeded last year's final enrollment figures. The final figures are generally higher than the preliminary figures.

At the University Park Campus, last year's final enrollment was 32,704 for the fall term. This year's preliminary enrollment is 33,501.

Overall, the greatest gains were in the Division of Undergraduate Studies, up by about 22 percent, and the College of Business Administration, about 15 percent higher than last year. Large enrollment gains also were reported for the colleges of Science and Engineering.

Last year's preliminary fall term enrollment figure for the Commonwealth Campuses was 17,709. The seven campuses that set new records this year

(Continued on page 3)

Calendar Conversion Council approves evaluation proposal

The Calendar Conversion Council has approved a proposal to evaluate the adequacy of classroom/laboratory facilities and faculty resources, given academic program requirements, under the semester system.

The study will require that colleges and campuses establish trial class schedules for the fall semester, 1983, and the spring semester, 1984. Council and the University Scheduling Office will jointly coordinate the study for University Park, while other locations will conduct parallel studies of their own resources.

Five Council members will visit Iowa State University later this month to discuss problems encountered in Iowa State's recent conversion from the quarter to the semester system.

Departments which, in the process of reviewing their curriculum, decide to drop or add courses or change the credit value of a course are requested to send that information to the Council, 304 Old Main, using the forms which were provided for the curriculum submission sent to the Council in June.

In other business at Sept. 24 meeting, the Council:

- Appointed a Steering Committee to

assist in determining the agenda for meetings and to review progress on calendar conversion. Members are James Dungan, Wendell Harris, Henry Hermanowicz, Richard McCarl, George McMurry, Rosemary Schraer, and Richard Sheeder.

- Conducted a discussion on the pros and cons of course re-numbering. The Steering Committee will decide at its first meeting whether a committee will be appointed to study and make recommendations on course re-numbering.

- Heard the Faculty Contracts Committee report that different types of contracts for different groups of faculty within the University are being considered. Letters of appointment written by individual colleges and departments will be examined by the Committee; one form letter to cover all types of appointments does not appear to be advisable.

- Referred a question concerning the handling of undergraduate students dropped for unsatisfactory scholarship to the Faculty Senate Committee on Admissions, Records and Scheduling.

Six faculty members receive fellowships

The following faculty members have been awarded faculty research fellowships from the Institute for the Arts and Humanistic Studies for the winter and spring terms of this year:

- Dr. Thomas W. Benson, professor of speech communication, for a critical study of documentary films by Frederick Wiseman;

- Dr. Gideon Golany, professor of urban and regional planning, to conduct a

study of underground housing in Tunisia;

- William Hanson, associate professor of art, to create a series of lithographic prints;

- Dr. John L. Logan, assistant professor of French, to examine manuscripts for a book-length study, *The Longman View: Studies in French Critical Theory and Poetic Practice, 1580-1680*.

- Dr. Joseph Price, professor of English, to prepare a collection of critical essays on Hamlet;

- Dr. Michael D. Riley, assistant professor of English at the Berks Campus, for a study of creative writing in poetry.

Faculty honored for published research

The faculty of the Administration of Justice Program in the College of Human Development was rated in the nation's top five in a recent survey of published research.

"We're extremely pleased to see the scholarly contributions of our faculty members recognized in this way," says Dr. Daniel Katkin, associate professor of law and program head. "We believe the research efforts of our faculty are vital to the learning experience of our students."

Dr. David Fabianic of Montana State University examined research articles placed by faculty members of 27 universities in six prominent criminal justice journals between 1974 and 1978. His findings were published in the Fall, 1981, edition of the *Journal of Criminal Justice*.

"The five schools with the highest number of credited articles were the State University of New York at Albany, Pennsylvania State University, University of Southern California, John Jay, and Ohio State University," he wrote.

SUNY-Albany and Penn State offer doctoral programs in criminal justice while the other three institutions do not.

Commission

(Continued from page 1)

Government; Barbara Kautz, research associate and technical editor, Computation Center.

Nancy Lyday, vice president, Graduate Student Association; Melanie Miller, president, Society for Women Engineers; Kathryn M. Moore, associate professor and research associate, Center for the Study of Higher Education; Wendy Oakes, president, Panhellenic Council; Rosalind Oswald, director of University House.

Dr. Audrey Rodgers, associate professor of English and coordinator of Women's Studies, College of the Liberal Arts; Louise Sandmeyer, assistant director for career counseling and planning, Career Development and Placement Center; Dr. Jacqueline L. Schoch, director, DuBois Campus; Dr. Rosemary Schraer, associate provost and professor of biochemistry; Dr. Joan Thomson, assistant professor and coordinator of staff development, Agricultural Extension Service, College of Agriculture; and Dr. Nancy Tischler, professor of English and humanities, Capitol Campus.

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United Way

UPDATE

United Way records increase in gifts

To begin the 1981 United Way campaign, University Park administrators have contributed about \$10,000 in advanced gifts, according to Chairman Charles L. Hosler, dean of the College of Earth and Mineral Sciences.

"This reflects an increase of 23.5 percent by the donors over their contributions last year," he noted. "Through their generosity, these people in leadership positions have set a good example of supporting the variety of services provided by United Way's 29 agencies in Centre County."

Included in the advanced gifts solicitation are members of the president's staff, deans, vice presidents, assistant vice presidents, and assistant and associate deans.

As of Oct. 5, 62 of them contributed to the United Way. Chairman of the advanced gifts campaign is Irvin H. Kochel, assistant vice president for administration.

The University Park United Way campaign, which began Sept. 29, has a goal of \$120,000 — or about \$17,000 more

than last year. Another goal is to increase the percentage of contributors from about 30 percent of employees last year to 50 percent this year.

Through personal solicitation, says Dr. Hosler, every employee is given an opportunity to make an informed decision about participating in the United Way.

In Centre County, the United Way includes this year, for the first time, Easter Seals Society, which operates a rehabilitation treatment center for the physically handicapped. The county-wide United Way goal for all agencies is \$420,000.

As the largest single employer in Centre County, the University supports the United Way as an effective means of helping citizens in need of youth programs, health assistance, counseling and emergency services. Last year United Way agencies served more than 55,000 persons.

United Way campaigns are conducted at all Penn State campuses during September and October. Employees may give through payroll deduction or direct contributions. They may choose to send their contributions to any United Way in Pennsylvania. Contributions are confidential.

Fellowship to assist Chemistry Department

The Russell Marker Faculty Fellowship has been established at the University to provide support for outstanding young faculty members in the Department of Chemistry.

The fellowship honors Dr. Marker, a former faculty member, who is known for his work in isolating and synthesizing steroid hormones. It was established by Syntex Corporation of Palo Alto, Calif., which Dr. Marker helped found in Mexico City in 1944.

Under the terms of the agreement, the holder of the fellowship will receive \$15,000 annually for five years for travel, secretarial services, technical assistance and other expenses. He or she will bear the title, "Russell Marker Faculty Fellow."

Dr. Marker worked in his laboratory at

Penn State to find a cheap and abundant source of steroid hormones. He was particularly interested in a substance called diosgenin that could be converted into the pregnancy hormone, progesterone.

When he discovered, in the jungles of Veracruz in Mexico, a root of a wild vine that produced a good yield of diosgenin, Dr. Marker was certain that Mexico was the place for a hormone industry. However, he could not interest American drug companies in the idea. He left Penn State and rented a small laboratory in Mexico City, where he and two partners incorporated Syntex, S.A.

Although Dr. Marker left the company to go into other Mexican ventures, the work he began became widely known and used. Syntex is now an international health sciences company with operations throughout the world. Star Dental, a Syntex Company, has facilities in Valley Forge and Lancaster, Pa.

Janice Lloyd named alumni award winner

Janice Holm Lloyd, acting director of the Michigan Consumer Education Center, is the 1981 recipient of the College of Human Development's Alumni Recognition Award, given annually by the College's Alumni Society.

Mrs. Lloyd will be honored at 3 p.m. Friday, Oct. 16, in Room S-209 of the Henderson Human Development Bldg. as part of the College of Human Development's Action '81 Program. The program brings together students, faculty

and alumni for three days of meetings to discuss current professional trends and employment information.

Mrs. Lloyd designs and administers Michigan's statewide consumer education program from her offices at Eastern Michigan University in Ypsilanti. She assumed the post in February after serving as associate director of the center since 1979.

A 1955 graduate of Penn State with a degree in home economics, she earned a master's degree from the University of Missouri in 1976 in home economics education with an emphasis in family economics and management.

Faculty workshop set

The Instructional Development Program's fall workshop, "Communication: The Faculty-Student Connection," has been scheduled at three Commonwealth Campuses.

The workshop will be held 1:30-4:30 p.m. Tuesday, Oct. 13, in Room 1 of the Student Center at the Berks Campus; 1:30-4:30 p.m. Thursday, Oct. 15, Room 101, Classroom Bldg., Hazleton Campus,

and 1:30-4:30 p.m. Tuesday, Oct. 20, in the Library at the Beaver Campus.

The workshop theme addresses communication "essentials" and uses that material to generate strategies responsive to problems of student motivation. The presentation combines formal lecture and interactive segments.

Faculty interested in additional information about the workshop or in making reservations should call the Instructional Development Program at 863-2599.

Faculty Handbook due this month

A new 1981 edition of the *Faculty Handbook* will be available later this month.

The *Handbook*, last revised in 1976, will be distributed to faculty members through Interdepartmental Mail. Additional copies may be obtained by contacting Dr. Donald W. Johnson, head of the Instructional Development Program in 307 Grange Bldg., phone 863-2599.

Virtually all material from the old handbook has had some revisions. New material has been added on the following:

Harassment on the Basis of Sex, Academic Administrative Evaluation, Radnor Center, Open-Learning Programs in the Commonwealth Educational System, Structure of the Commonwealth Educational System, Classroom Repairs, Requests for Reduction of Prior Tenure Credit, Dean of University Libraries,

Campus Loop System, and the new Instructional Development Program, University Testing Services, and University Division of Learning and Telecommunications Services.

The *Handbook* is intended to serve the needs of faculty members on a University-wide basis. Some Commonwealth Campuses supplement the *Handbook* with additional information pertinent to their own local conditions.

Chester C. Gnatt, assistant to the provost, served as chairman of the *Handbook* Revision Committee. Members were Marquee A. Bagshaw, representative of the Graduate School; Robert W. Dombrowsky, representative of the Office of Personnel Administration; Dr. Manfred Kroger, Faculty Senate representative; Dr. John L. Leathers, representative of the Commonwealth Educational System; Louise D. Wartik and William E. Campbell, representatives of the Department of Public Information and Relations, and Dr. Leonard N. Zimmerman, representative of the Council of Academic Deans.

Fund Council

(Continued from page 1)

Robert W. Moore, president, Financial Executives Institute; Mr. Nichol; Mrs. A. Robert Noll, Manhasset, N.Y.; Roland W. Oberholtzer, retired director, Explosive Products, ICI American Corporation; Ralph E. Peters, president, Berger Associates; Stanley G. Schaffer, president, Duquesne Light Company; Charles W. Shaeffer, retired chairman, T. Rowe Price Associates, Inc.; Philip H. Sieg, president, Federated Home & Mortgage Company, Inc.; Donald D.

Smith, president, Smith, Miller & Associates, Inc.; Mr. Thomson; Samuel S. Vaughan, publisher/president, Doubleday Publishing Company; Robert W. Welsh, executive vice president, Leslie T. Welsh, Inc.; Roy Wilkinson Jr., Justice of the Supreme Court of Pennsylvania.

Quentin E. Wood, president of the University Board of Trustees, and President Oswald are ex-officio members of the Fund Council.

Nursing Consultation Center offers programs

Two programs on interpersonal relationships are being offered at the Nursing Consultation Center.

"Finding Your Cool" is designed for young adults. It consists of three two-hour sessions from 4:45 to 6:45 p.m., beginning Oct. 29.

"Renewing Your Outlook" is for middle-aged adults. It involves three two-hour sessions from 7 to 9 p.m., beginning Oct. 29.

Both programs address the themes of self-understanding, listening and talk. Individuals are urged to register with a partner if possible, but it's not required. A modest fee is charged.

For more information and registration, call the Nursing Consultation Center at 863-2200 weekdays from 9 a.m. to noon and from 1 to 4 p.m.

University community warned about animals

The University's safety officer has issued a warning to faculty and staff members and students not to comfort or feed by hand animals that appear to be sick.

Howard O. Triebold Jr., manager of the safety division, said a skunk, later shown to have been rabid, recently had to be killed near the Institute for Land and Water Research.

"This isn't the first time a rabid animal has been found on University land," Mr. Triebold noted.

He urged members of the University community not to handle, or try to make pets of, wild animals, particularly foxes, skunks and raccoons, which are among the more common carriers of rabies. He added that police or safety officials should be notified when animals that are acting strangely or are sick are spotted.

Provost Eddy will address University Scholars Convocation

Provost Eddy will deliver the keynote address — "You Are Your Own Work of Art" — at the University Scholars Convocation, at 7:30 p.m. Tuesday, Oct. 13, in Schwab Auditorium.

The convocation, which marks the University Scholars Program's second year, is open to the public.

Joining Dr. Eddy on the program will be Dr. George W. Franz, assistant professor of history at Delaware County Campus, who chaired the Task Force on Academically Superior Students for the University Faculty Senate.

Dr. Paul Axt, director of the program, will serve as moderator.

Honor students Stephen L. Mayo, Sara A. George and Hance L. Huston will offer first hand information on how the Scholars Program incorporates undergraduate research, scholarships and internships, and integrated undergraduate-graduate study.

Music for the hour-long program will be provided by two new faculty members in the School of Music, College of Arts and Architecture. Flutist Susan M. Klick and guitarist Anne E. Waller, both instructors, will perform "Grand Duo Concertino, opus 65" allegro maestoso, minuet and trio by composer Mauro Giuliani.

College receptions for Scholars Program participants and faculty will be held immediately following the program at the following locations:

Agriculture, 301 Ag. Adm Bldg; Arts

and Architecture, 216 Engineering D; Business Administration, Fireside Lounge, Nittany Lion Inn; Earth and Mineral Sciences, Alumni Lounge, Old Main; Education, Chambers Gallery; Engineering, Bayard Kunkle Activities Center; Human Development, Living Center, 110 Henderson Human Development Building; Liberal Arts, Main Lobby, Sparks Building; and Science, Gallery Lounge, HUB.

The College of Health, Physical Education and Recreation will honor students enrolled in that college prior to the program. Students enrolled in the Division of Undergraduate Studies will be encouraged to attend any college reception of their choice.

The University Scholars Program is designed to enrich the general education of academically superior students and to deepen their preparation for graduate study or professional practice. These scholars are enrolled in honors classes and projects, graduate-level courses and independent study and research. A program in the residence halls organized by Honors Program Assistants, includes dinner-seminars with faculty, visiting scholars, artists and public figures.

Students invited to participate in the Scholars Program must present high test scores and outstanding secondary school records or show high academic achievement in their freshman and sophomore years.

Enrollment

(Continued from page 1)

were Allentown, Altoona, DuBois, New Kensington, Schuylkill, Scranton and Wilkes-Barre. At the Schuylkill Campus, enrollment was up by nearly 20 percent. Wilkes-Barre reported a nearly 13 percent increase in the preliminary figures.

Penn State's enrollment increases come at a time when most indicators had pointed to the beginning of a decline in higher education enrollments.

"I'm sure that Penn State's admissions office, with its more aggressive recruitment of good students, has been

partly responsible for the increases," Dr. Dunham said.

He also said much of the increase at the Commonwealth Campuses can be attributed to new associate degree programs in such fields as telecommunications and clinical health services.

"I think we've been doing a good job of responding to the needs of society and students," he said. "Our program offerings have been flexible. We've responded quickly to the call for professionals in a number of changing or newly emerging fields."

Much of the enrollment increase at the

Commonwealth Campuses, Dr. Dunham said, has been among students in associate and baccalaureate degree programs. There have been declines, in general, in the number of non-degree and provisional students — those not enrolled in degree programs.

"That generally says something good about the quality of students we're attracting," Dr. Dunham said. "While it isn't true in every case, degree students tend to be more serious about their studies."

Many of the campuses, he added, have stepped up their own efforts to attract qualified degree candidates.



"Black Hat-Black Glove," a graphite drawing by William D. Davis, assistant director of the Museum of Art, is part of the exhibition "Traditions: The Region/The World" sponsored by ArtTrain.



Phyllis Newman

Drama Series opens tomorrow with Phyllis Newman in lead

The Drama Series of the Artists Series will open its season with Phyllis Newman in *The Madwoman of Central Park West* at 8:30 p.m. Friday, Oct. 9, in Schwab Auditorium.

The Madwoman of Central Park West is a madly charming, madly funny, and madly entertaining show with an acting-singing-dancing cast of one. Clive Barnes of the N.Y. Times calls *Madwoman* "... an utterly delightful show, by a woman bold enough, brassy enough, delicate enough and sweet enough to take her psyche off in public and give it a wash and whirl. The result is crazy, brilliant and rather touching."

Phyllis Newman began in show business at age four as a protégé of singer Belle Baker, whose "red hot mama" style she imitated. It was the first of the series of impersonations that she mastered.

Throughout her childhood, she was a popular performer in the circuit which extends from Atlantic City to the Catskills.

At age eleven, she finally retired.

Her interest in the theatre was rekindled when she transferred from Western Reserve College to Columbia University in New York City. There she studied drama and auditioned for and won a part in the Broadway musical *Wish You Were Here*. Later, she was signed to understudy Judy Holliday in the musical hit *Bells Are Ringing*. The book and lyrics for *Bells Are Ringing* were written by Adolph Green (of *Comden and Green*). Phyllis Newman

became Mrs. Adolph Green in 1960. The Greens have two children, Adam and Amanda.

In 1962, Mrs. Newman won a Tony Award as Best Supporting Actress in a Musical for her role in *Suitways Are for Sleeping*, against such competition as Barbra Streisand and Barbara Harris. (She would eventually alternate with Barbara Harris as the lead in Mike Nichols' production of *The Apple Tree*.)

Phyllis Newman's films include *Picnic*, *The Vagabond King*, and Sidney Lumet's *Bye Bye Braverman*. She has played dramatic roles on television in "Burke's Law," "Wild, Wild West," and "CBS Playhouse." Actually, television is the medium through which she has become known and recognized by millions of Americans as a frequent guest on "The Tonight Show," "Merv Griffin," "Mike Douglas," and "That Was the Week That Was."

Phyllis Newman's nightclub career began at the Shamrock Hilton in Houston; from there she moved on to such famous nightspots as the Coconut Grove in Los Angeles and the Persian Room at the Plaza Hotel in New York. Her cabaret act debuted at Manhattan's Grand Hotel in June of 1977.

Tickets went on sale Tuesday at the Eisenhower Auditorium box office and HUB booth. Sales will continue weekdays, 9:00 a.m. to 4:00 p.m.

Choirs to perform for Homecoming

The annual Homecoming Concert will be presented by the Penn State Glee Club and the Penn State Women's Chorus at 7:30 p.m. Saturday, Oct. 10, in Schwab Auditorium.

The Women's Chorus will open the concert with Leonard Bernstein's Canon from Kaddish, Symphony No. 3. G.B. Pergolesi's "Glory to God in the Highest," the second number on the program, will feature solos by sopranos Brenda Harsch and Kathy Hartman and also Candy Kintzer.

The Women's Chorus will perform "Soave sia il vento" from Mozart's "Così fan tutte" and Benjamin Britten's "Old Abram Brown," set to a poem by Walter de la Mare, and Ms. Harsch will again be featured on "Annie Laurie." The chorus will close its part of the concert with Gustav Holst's "To Agni" from "Choral Hymns from the Rig Veda."

The second portion of the program will consist of performances by the Keynotes. Selections by the Hi-Los will comprise the third part of the evening show. The

Hi-Los will be assisted in their performance by violinists Candace Walts and Chris Kranyak, banjoist Dan Swart, guitarist Doug Anderson and bassist Archie Warnock.

Healey Willan's arrangement of the "Agincourt Song" will begin the Glee Club's portion of the concert. The singers have selected several choruses from Gilbert and Sullivan's "H.M.S. Pinafore," to be followed by Archibald T. Davidson's arrangement of "Sacramento," an American sea chanty.

The Glee Club will perform two western numbers arranged by Norman Luboff, "Streets of Laredo" and "Whoopee Ti Yi Yo." Bass-baritone Joel Westa will be featured in Fennesz Heath's arrangement of "In That Great Gettin' Up Mornin'." The evening will close with the Glee Club's renditions of ever-popular Penn State songs.

Bruce Trinkle, associate professor of music, directs both the Penn State Glee Club and the Penn State Women's Chorus. Mr. Westa is assistant director of the Glee Club and Ms. Harsch serves as assistant director of the Women's Chorus.

The concert, which is being sponsored by the School of Music, is free and open to the public.

Brown, Triolo set for annual recital

Bass-baritone Raymond Brown, professor of music at the University and pianist Phyllis Triolo will present their annual fall recital at 3:30 p.m. Sunday, Oct. 11, in Schwab Auditorium.

The concert will be devoted to music by Johannes Brahms and Hugo Wolf. Included in the program are Wolf's "Michelangelo Leider," the last songs written by the composer, in which he used as texts the translations of poems by the Italian sculptor, painter and poet. Mr. Brown and Mrs. Triolo will perform two songs from Brahms' Opus 43, "Von ewiger Liebe" and "Die Mainacht" as well as the composer's complete Opus 105 and his cycle "Four Serious Songs."

Several of Mr. Brown's students and

choir members will perform Brahms' "Leibeslieder Waltzes." Pianists Carl Berceac and Rhonda Wright will accompany the singers for these selections.

Mr. Brown, a Fellow in the University's Institute for the Arts and Humanistic Studies, is a well-known choral director and voice teacher who has conducted numerous performances on campus and elsewhere.

Mrs. Triolo, a State College resident, is a graduate of Juillard and the Paris Conservatory, and has performed frequently at University Park and other campuses. She also has presented recitals in New York City and Washington, D.C.

The School of Music and the Institute for the Arts and Humanistic Studies are sponsoring the concert. There is no admission charge and the public is invited to attend.

Kern shows to offer some Texan humor

A touch of Texan humor opens the first of two productions scheduled this year for Kern Theatre. *Laundry and Bourbon* and *Lone Star*, two one-act plays running as a doublebill, will be presented at the Kern Graduate Commons Oct. 15-18.

The two comedies written by James McClure concern a trio of women and a trio of men as they talk about their problems and lives in the small town of Maynard, Texas. Each play, although a complete unit by itself, reflects and refers to its counterpart — Roy Caulder, the main character of *Lone Star*, and his beloved 1959 pink Thunderbird are the central topics in both.

Michael A. Connolly, a faculty member of the Department of Theatre and Film, plays the part of Roy in *Lone Star*. Mr. Connolly performed most recently as the Wizard in Festival Theatre's "Once Upon a Mattress" and previously in the University Resident Theatre Company's production of *The Crucifer of Blood* last spring. The other two characters in *Lone Star* are played by Michael Brown and David C. McNeill.

For *Laundry and Bourbon*, Lawr Means, a



Michael Connolly

first year MFA-acting candidate, plays Roy's wife Elizabeth. Susan Martinelli and Cyndi Yost complete the cast of *Laundry and Bourbon*.

Laundry and Bourbon and *Lone Star* are directed by Danny Peak and Robert S. Garber respectively — both MFA-directing students. The plays are presented by Kern Graduate Commons in collaboration with the University Resident Theatre Company. Kern Theatre will offer its second production, *Play It Again Sam* by Woody Allen, on April 15-18.

Fayette Campus professor exhibits art

Zeljko Kujundzic, professor of art at the Fayette Campus, is presenting a one-man exhibition at Gallery '76 in Wenatchee, Washington. It opened the Gallery's fall season Sept. 23 and will continue until Oct. 14.

The exhibition of recent works includes ceramics, most of which are figurative sculpture made in Kujundzic's heroic style. Also exhibited are a number of paintings in acrylics and oils, wood block prints and large wall hangings which are linear handwoven tapestries and baliks. *Arts West* critic, Anne Payne, observes "Kujundzic's murals and sculptures are bold tributes to man, nature and freedom. Somehow he has created free space within the confines of his design."

The exhibition is sponsored by the Allied Arts Council of North Central Washington and is supported by a promotion grant from the Alcoa Corporation of Washington.



A sculpture by Kujundzic

University Park Calendar

October 8-18

Special Events

Thursday, Oct. 8

Robeson Cultural Center, "Careers Unlimited" — careers in business and industry, 10 a.m.-4 p.m., Walnut Building.
Commons Film Series, *Think Dirty*, 7 and 9 p.m., Room 112 Kern.
Penn State Dames meeting, 7:30 p.m., Room 101 Kern.
Instructional Development Program workshop for faculty, "Communication Skills for Teachers in Large Classes," 3-4:30 p.m., Room 305 HUB.

Friday, Oct. 9

Craft Demonstration, 11:30 a.m., Kern Lobby.
HUB Craft Center registration for second session classes, noon-5 p.m., Room 312 HUB, through Oct. 22.
Cinematheque Film, *The Godfather*, 7 and 10 p.m., Room 10 Sparks Bldg.
Interludia Folk Dancing, 7:30 p.m., HUB Ballroom.
GSA Coffeehouse, 8 p.m., Room 102 Kern.
Artists Series, Phyllis Newman, *The Madwoman of Central Park West*, 8:30 p.m., Schwab Auditorium.
Sports: soccer vs. Maryland, 7:15 p.m.; JV football vs. Millford Academy, 2 p.m.

Saturday, Oct. 10

Cinematheque Film, *The Godfather*, 7 and 10 p.m., Room 10 Sparks Bldg.
Sports: football vs. Boston College (Homecoming), 1:30 p.m.

Sunday, Oct. 11

Shaver's Creek Environmental Center, "Run for the Fall Colors," 10,000-meter Open, 10 a.m.; two-mile "Fun Run," 10:15 a.m., Stone Valley Recreation Area.
Indoor Sports Complex, open house, 4-6 p.m.
Sports: men's lacrosse vs. Alumni, 11 a.m.; baseball vs. Lock Haven (DH), 1 p.m.

Tuesday, Oct. 13

Forum on Faith, "Strengthening Your Faith through Insights from Science," Dr. Rustum Roy, director of the Materials Research Laboratory, 12:30 p.m., HUB Main Lounge.
GSA Council Meeting, 6:30 p.m., Room 101 Kern.

University Scholars Convocation, 7:30 p.m., Schwab Auditorium.
Dr. Edward D. Eddy, Provost, speaker.
HUB Craft Center open house, 7:30-9:30 p.m., Room 312 HUB.

Wednesday, Oct. 14

Commons Concert, Rustal Quality String Band, noon, Kern Lobby.
Robeson Cultural Center, movie, *Proud Valley*, starring Paul Robeson, 7:30 p.m., Walnut Bldg. Free admission.
Un-Common Theatre (student preview), 2

one-act plays, *Love Star and Laundry and Bourbon*, 8 p.m., Room 112 Kern.

Thursday, Oct. 15

Fixed date for meetings involving Commonwealth Campus faculty.
College of Human Development, Action '81 Program, Faculty Day.
Artists Series, Shinichi Suzuki's Talent Education Tour for Young Audiences, 11 a.m., Eisenhower Auditorium.
Artists Series, Suzuki Strings, 7:30 p.m., Schwab Auditorium.
Un-Common Theatre, 2 one-act plays, *Love Star and Laundry and Bourbon*, 8 p.m., Room 112 Kern.

Friday, Oct. 16

Astronomy Open House, 8:30-11 p.m., 6th floor, Davey Lab. If overcast, will be held Saturday, Oct. 17. Open to the public.
Fixed date for meetings involving Commonwealth Campus faculty.
College of Human Development, Action '81 Program, Alumni Review Day.
Craft Demonstration, 11:30 a.m., Kern Lobby.
Interludia Folk Dancing, 7:30 p.m., HUB Ballroom.
Cinematheque Film, *Moonstreets*, 7 and 9 p.m., Room 10 Sparks Bldg.
Un-Common Theatre, 2 one-act plays, *Love Star and Laundry and Bourbon*, 8 p.m., Room 112 Kern.
Sports: ice hockey vs. Pittsburgh Jr. Penguins, 9:15 p.m.

Saturday, Oct. 17

Fixed date for meetings involving Commonwealth Campus faculty.
College of Human Development Alumni Society Board of Directors meeting, 9 a.m.-3 p.m., Mt. Nittany Room, Nittany Lion Inn.
Cinematheque Film, *Moonstreets*, 7 and 9 p.m., Room 10 Sparks Bldg.
Un-Common Theatre, 2 one-act plays, *Love Star and Laundry and Bourbon*, 8 p.m., Room 112 Kern.
Sports: men's cross country vs. Arkansas and Providence, 11 a.m.; field hockey vs. Ohio State, 1 p.m.; ice hockey vs. Pittsburgh Jr. Penguins, 3:30 p.m.

Sunday, Oct. 18

HUB Craft Center second session classes begin.
Shaver's Creek Environmental Center, Pioneer Crafts Festival, noon-5 p.m., Environmental Lab.
Un-Common Theatre, 2 one-act plays, *Love Star and Laundry and Bourbon*, 8 p.m., Room 112 Kern.
Sports: field hockey vs. James Madison, 1 p.m.; men's lacrosse, Penn State Invitational.

Seminars

Thursday, Oct. 8

Ceramic Science 500 Seminar, 11 a.m.-noon, Room 301 Steidle Bldg. Dr. J.H. Blanks, Alcoa

Labs, on "Electrical Conductivity on Magnetically Slags: Property Determination in an Aggressive Solid-Liquid System."
Physics Colloquium, 3:50 p.m., Room 117 Osmond Lab. D. Schramm, University of Chicago, on "The Very Early Universe."
Fuel Science Seminar, 4 p.m., Room 301 Steidle Bldg. Dr. Terry Baker, Exxon Research and Engineering Co., on "Metal-Carbon Interactions."
Public Lecture, 8 p.m., Room 273 Willard Bldg. Dr. Dell Hymes, professor of folklore and linguistics and dean, College of Education, Univ. of PA, on "Indian Myth as Poetic Speech: American Indian Vain as Poetic Speech."

Friday, Oct. 9

Analytical Chemistry Seminar, 11 a.m., Room 333 Whitmore Lab. John Stahl, on "Sulfur Speciation."
Aerospace Engineering, 3:30 p.m., HUB Assembly Room. George Page, launch director, NASA Space Shuttle, "Preparation and Launching of First Space Shuttle."
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker Bldg. Rob Hasswell, professor of geography, Louisiana State University, on "The Making of Historic South African Townships."

Monday, Oct. 12

Entomology Seminar, 4 p.m., Room 204 Patterson Bldg. Dr. John W. Maunier, London School of Hygiene and Tropical Medicine, on "Little Patterning Feet on the Head: Problems with Human Head Lice."
Computation Center Seminar, 7:30 p.m., Room 101 Walker Bldg. Introduction to the use of the Tektronix 4662, Houston-Instrument CPS 156, and 8222A electrostatic Versatec plotters.

Tuesday, Oct. 13

Chemical Engineering Seminar, 3:45 p.m., Room 140 Fenske Lab. Dr. L. A. Robbins, Dow Chemical Company, on "The Strategy of Design and Operation of Mini-Plants."
Geosciences Colloquium, 3:45 p.m., Room 112 Walker Bldg. Professor Donald L. Turcotte, Dept. of Geological Sciences, Cornell University, on "Geometrical Form of Volcanoes."
Genetics Seminar, 4 p.m., Room 111 Animal Industries Bldg. Dr. F. Ferguson, associate professor and director, Central Biological Lab, on "Maternal-Fetal Immune Interactions."
Illustrated talk on American painters in Germany in the 19th century by David Sokol, art historian, University of Illinois and curator, Terra Museum of American Art, Evanston, 5 p.m., Room 230 Arts Bldg. Sponsored by IAHS.

Thursday, Oct. 15

Ceramic Science 500 Seminar, 11 a.m.-noon, Room 301 Steidle Bldg. Della Roy, professor of material science, "Recent Advances in Cement Science."

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Physics Colloquium, 2:20 p.m., Room 445 Davey Lab. M. Tinkham, Harvard University, on "Beyond Equilibrium Superconductivity."
Fuel Science Seminar, 4 p.m., Room 301 Steidle Bldg. T. J. Peters on "From Phenanthrene to Coke and Graphite."
Special Acoustics Seminar, 4 p.m., Room 73 Willard Bldg. Dr. Robert J. Hooker, senior lecturer in mechanical engineering, University of Brisbane, Australia, on "Noise of Load-Haul-Dump Vehicles."
Computation Center Seminar, 7:30 p.m., Room 101 Walker Bldg. Introduction to the use of the Tektronix 4662, Houston-Instrument CPS 156, and 8222A electrostatic Versatec plotters.
Annual Fall English Conference, guest speaker, 8 p.m., Room 101 Kern. Dr. Donald Murray, professor of English, University of New Hampshire, on "Writing Before the First Draft."

Friday, Oct. 16

Annual Fall English Conference, guest speaker, 9 a.m., Room 101 Kern. Dr. Donald Murray, professor of English, University of New Hampshire, on "Reading Unwritten Writing."
Analytical Chemistry Seminar, 11 a.m., Room 333 Whitmore Lab. Gene Karwacki on "Organic Molecular SIMS."
Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker Bldg. Edward D. Eddy, provost, on "Inside the Black Box: Penn State Management."

Exhibits

Kern Gallery: open Monday through Saturday, 8 a.m.-11 p.m.; Sunday, noon to 11 p.m. Jim Dupree, paintings, through Oct. 10; Linda Brennis, paintings, through Oct. 14; Linda Newby, feather jewelry, through Oct. 15; Ziggy Coyle, clay, through Oct. 15; Jack Troy, ceramics, opens Oct. 18.

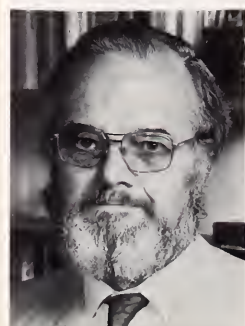
Museum of Art: open 11 a.m.-4:30 p.m. Closed Mondays. Tours, Sundays, 12:30 p.m. Oriental Works from the Museum's Collection. Danish Ceramic Design, opens Oct. 18.

Pattee Library: Bertolt Brecht: Photographs from the East German Government, East Corridor Gallery. Mary Pat Ford, studio photographs, opens Oct. 9, Lending Services Lobby. Sandy Sandmeyer, recent works in batik, Second Floor East. Highlights from the Allison-Shelley Collection, Rare Books Room.

Visual Arts Bldg. Zoller Gallery: Gallery Hours: 9 a.m.-5 p.m., Monday through Friday. Saturdays and Sundays, noon-5 p.m. School of Visual Arts Faculty Exhibition, through Oct. 14.
Leonard Lehrer, print exhibition, opens Oct. 16.

English educator to speak on deafness

Dr. Geoffrey P. Ivey, senior lecturer in child development at the University of London Institute of Education, will present a public lecture at 2:30 p.m. Friday, Oct. 16, in Room 107 Moore Bldg. He will speak on "Why Deaf Children Often Fail to Develop Language."



Dr. Ivey

Dr. Ivey is currently an Alexander Graham Bell Association International Lecturer. He is a strong advocate of teaching hearing-impaired children to communicate by auditory-oral methods. In London, Dr. Ivey maintains a private clinical practice for children who are deaf or hard-of-hearing and who have language disorders.

Certified as a teacher of the deaf by Manchester University, he taught hearing-impaired and multiply-handicapped children from 1953 to 1965. He received a master's degree in educational psychology from Reading University and a doctorate in psycholinguistics from London University.

Illinois art historian to lecture on Oct. 13

Art historian David Sokol will present a free public lecture at 5 p.m. Tuesday, Oct. 13, in Room 230 Arts Bldg. His presentation will be entitled "American Artists in Germany: The Dusseldorf Experience."

During his visit, Mr. Sokol also will present a talk for a Comparative Literature

'Forum on Faith' to begin on Oct. 13

Forum on Faith, a brown-bag lunch program sponsored by the Office of Religious Affairs in conjunction with several campus ministries, will examine "Strengthening Your Faith through Insights from Science" during the Fall Term.

The forum is designed to provide an opportunity for students, faculty and staff to discuss the impact of religious faith on daily life and duties at the University. Discussion will focus on a short presentation by a member of the University community.

Luncheon and meet with art history students and faculty.

Mr. Sokol, a specialist in 19th century American art, is chairman of the Department of the History of Architecture and Art at the Chicago Circle Campus of the University of Illinois. He also is curator of the Terra Museum of American Art in Evanston, Illinois.

His visit is being sponsored by the University's Institute for the Arts and Humanistic Studies.

Presenter for the Fall Term series will be Dr. Rustum Roy, professor of solid state and geochemistry, director of the Materials Research Laboratory, and chairman of Penn State's Science, Technology, and Society Program.

The program will be held from 12:30 to 2 p.m. Oct. 13 and 20 in the HUB Main Lounge; Oct. 27 in the HUB Gallery Lounge, and Nov. 3 in the HUB Main Lounge.

Guest to lecture at English Conference

Dr. Donald Murray, professor of English at the University of New Hampshire, will give two public lectures at the University's annual Fall English Conference next week.

He will speak on "Writing Before the First Draft," at 8 p.m. Thursday, Oct. 15, in Room 101 Kern. His talk will examine the "writing" that precedes writing — the activities that successful writers employ to make effective writing possible.

Dr. Murray will discuss "Reading Unwritten Writing," at 9 a.m. Friday, Oct. 16, in Room 101 Kern. He will suggest methods of teaching student writers to read writing in progress so that successive drafts may improve.

Penn Staters

Dr. Stephen J. Benkovic, Evan Pugh professor of chemistry, has been chosen to serve for three years on the Committee on Chemical Sciences (CCS) of the National Research Council (NRC). The NRC is the research arm of the National Academy of Sciences. The CCS is the principal NRC channel for interaction between the chemical research community and federal agencies and organizations responsible for chemical sciences research.

Dr. Benkovic and Dr. Rold Hoffman of Cornell University have been assigned to study the scope, role, and extent of chemistry research supported by the National Institutes of Health.

Donald J. Epp, professor of agricultural economics and assistant director of the Institute for Research on Land and Water Resources, was an invited participant at an international conference on the University and Rural Resource Development: "The Road Between Theory and Practice," in Backaskog, Sweden.

The conference was arranged by the Swedish University of Agricultural Sciences and was attended by scientists from fourteen countries. Dr. Epp presented a paper entitled "University Assistance to Government in Decisions Involving Risks" and served as recorder for one of the subgroups.

George T. Harrell, vice president emeritus for medical sciences, has been elected to the Institute of Medicine, which was chartered in 1970 by the National Academy of Sciences to enlist distinguished members of medical and other professions for the examination of policy matters pertaining to the health of the public.

James R. Keiser, associate professor of hotel and institutional administration and assistant program head, Food Service and Housing Administration, has been named the 1981 winner of the Evelyn R. Saubel Faculty Award.

The award, sponsored by the College of Human Development Alumni Society, is presented annually to a faculty member in the College who is committed to human service and to serving students.

Professor Keiser was cited for being accessible to students as an adviser and for assisting them in career decisions. He was lauded for demonstrating a caring, professional style and for symbolizing the values toward which the College of Human Development is directed.

The award is named for Mrs. Saubel of State College, a retired faculty member who has been deeply concerned for the welfare of her students. Professor Keiser will receive the award, which includes a \$500 check, at 10 a.m., Thursday, Oct. 15.

at the Hetzel Union Building Assembly Hall as part of an all-college faculty meeting of the College of Human Development.

Dr. Philippos Loukissas, assistant professor of urban and regional planning, was an invited participant in a post-graduate seminar on methods for interdisciplinary research on Mediterranean island and coastal ecosystems.

The seminar was sponsored by the inter-governmental program, "Man and Biosphere," under the auspices of UNESCO. It brought together natural and social scientists from 10 nations on the Greek island of Skopelos, Aug. 24 to Sept. 5.

Dr. Loukissas' participation involved preparation and demonstration of a gaming simulation model for the impacts of tourist development on island ecosystems. He also presented a paper on

application of the model at the annual Congress of the International Association of Scientific Experts in Tourism in Cardiff, Wales, Sept. 13-18.

Dr. Gary L. Lilien, research professor of management science, has been named editor-in-chief of the journal *Interfaces* for a three-year term beginning April, 1982.

Dr. Lilien, who joined the University this fall from MIT, received bachelor's master's and doctoral degrees in operations research from Columbia University. His major research interests are in management science applications, particularly in the marketing area.

Dr. Samuel H. Smith, dean of the College of Agriculture, has been appointed by Trustees of the University of Pennsylvania to a three-year term on the Board of Overseers of the University of Pennsylvania School of Veterinary Medicine.

25-year chairs



Dr. Hudson



Dr. Alessandro



Dr. Beik

The University of Education recently presented 25-year chairs to two faculty members, **Dr. George R. Hudson** and **Joseph Alessandro**.

Dr. Hudson, professor of education in the Division of Counseling and Educational Psychology, joined the Penn State faculty in September, 1955, after serving for two years as counselor and director of guidance in the Massapequa (N.Y.) Public Schools. He also was a high school English teacher and served as a psychometrist for the American Institute for Research in Pittsburgh.

During his Penn State tenure, Dr. Hudson served as chairman of the College of Education's Counselor Education Programs from 1959 to 1968. In addition, he has served both the College and the University in a number of capacities, most recently as chairman of the College's Faculty Council and as current chairman of the University's Hearing Board, a position he's held for the past six years.

Dr. Hudson has authored, co-authored or edited some 25 articles for professional journals. He has presented numerous reports on counseling to national and state agencies and has served on a number of national and state committees. He also has served as a consultant and has made some 100 presentations, many using a workshop format, to school faculties, counseling groups and civic organizations. He is a past president of the Pennsylvania Personnel and Guidance Association.

A native of New York State, Dr. Hudson received his A.B. and M.A. degrees, both in English, from New York State College for Teachers at Albany. He received his Ed.D. in vocational guidance and personnel psychology from Columbia University's Teachers College.

Dr. Alessandro, professor of education in the Division of Educational Policy Studies, also joined the Penn State faculty in September, 1955. Immediately before joining the faculty, he was director of Penn State's Migrant Summer School — the first such experiment for migrants on the East Coast.

From 1955 to 1974, Dr. Alessandro served as coordinator of the College of Education's International Programs. During that time, he initiated the first

bi-lingual training program for high level Latin American educators for the American International Development Program, from which some 2,000 persons have graduated.

Reflecting his long-standing interest in comparative, international and development education, Dr. Alessandro served as the 1973-74 chairman of the University Committee on International Programs, as the 1974 chairman of Penn State's Hays-Fulbright Conference, and as director of the Commonwealth-Main Campus International Conference in 1974.

In addition, he has been a consultant to many national and international agencies, including the U. S. Department of State and the World Bank. He also has served as a consultant to numerous ministries of education, mostly in Central and South America.

Dr. Alessandro has published some 20 professional articles and has conducted research on international education both at Penn State and overseas.

He received his B.S. degree in social studies from Franklin and Marshall College. His master of education degree in history and his D.Ed. in secondary education both were awarded by Penn State.

Dr. Leland L. Beik, professor of marketing, received a 25-year chair during ceremonies recently at the College of Business Administration.

Dr. Beik came to Penn State in 1956 after teaching at the University of Arkansas, the University of Buffalo and part-time at Columbia University's Graduate School of Business.

He's a former head of the Marketing Division in the College of Business Administration and has taught many graduate and undergraduate courses in economics and business in addition to marketing.

Dr. Beik's professional interests include marketing research, marketing analysis and planning, and marketing information and communication. He is the author of many professional articles and a textbook, *Marketing Research and Analysis*, published by Ronald Press.

Promotions

Faculty

L. Barry Phelps to assistant professor of mining engineering.

Staff Exempt

Gerry L. Castellano to programmer in Management Services.

Barry G. Phelps to applications programmer/analyst in management services.

Staff Non-Exempt

Renee Fields to senior staff nurse at Hershey.

Sherri L. Letterman to junior microfilm operator in management services.

Sally A. Nell to senior nuclear medicine technician at Hershey.

Dorothy J. Smith to quality assurance assistant at Hershey.

Clerical

Susan M. Broadwater to clerk typist A in Science.

Mithoo Katrak to secretary A at Hershey.

Suzanne Sinclair to secretary A in Science.

Technical Services

Richard L. Auman to senior electronics technician, computer systems in Physical Plant.

Beth C. Baer to food service worker B at Mont Alto.

Kent A. Crossland to maintenance mechanic A at Fayette.

Violet Grose to patient nourishment assembler at Hershey.

Nellie J. Kline to janitorial worker in Physical Plant.

Robert J. Mills, Jr. to maintenance worker area landscape in Physical Plant.

Obituary

Eleanor White Blakely, writer-editor in the Institute for Research on Land and Water Resources, died Sept. 23 at the age of 62.

Mrs. Blakely was appointed a technical publications writer and editor in 1965 for projects in the Continuing Education

Department of Planning Studies. In April, 1970, she became assistant editorial specialist for the College of Agriculture Cooperative Extension Service and for the Institute for Research on Land and Water Resources.

She was named writer-editor in 1976. Among her other duties, she served as editor of the Institute for Research on Land and Water Resources Newsletter.

Thank-you note

To the Editor:

We wish to express our deepest appreciation for the kind and generous contributions given to our family. The money will be used to obtain a climate control system for our home. Our children, Amanda and Jon, will benefit immensely from this system, because with cystic fibrosis they are subject to extreme dehydration during periods of hot weather. Again, we would like to thank the staff and clerical people at University Park and the Commonwealth Campuses for their kind and generous contributions. Sincerely,

Dennis and Dani Whitbred

Carpoolers

Mariam Mackey seeks either riders or a carpool from the Flemington area. She works weekdays from 10 a.m. to 7 p.m. and can be reached at home at 748-5009.

Geraldine Waltz needs a ride from Aaronsburg to the University. She works from 6 a.m. to 2:30 p.m. at Ritenour Health Center. She can be reached after 4 p.m. at 349-8841.

Penn Staters

Retirement

George R. Bubash, instructor in veterinary science, retired Oct. 1, after 28 years of service with the University. He worked chiefly in diagnostic bacteriology.

Mr. Bubash earned national recognition for isolating and identifying three important organisms causing disease. He was the first person on the North American continent to isolate fungi causing ringworm in swine and other domestic animals. He was also the first person to isolate a fungus causing pneumonia in Bighorn sheep.

Both of these organisms are listed as Bubash strains and are maintained in the American Type Culture Collection as contributions from Penn State. The third organism he identified was a variety of bacteria related to animal diseases.

From 1948 to 1950, Mr. Bubash was research assistant to Dr. Jonas E. Salk in polio research at the University of Pittsburgh. During this time he isolated two polio strains. From 1950 to 1952, he was chief of the Virus and Rickettsiae Laboratory of the U.S. Army at Fort Baker, Calif. He was engaged in influenza research with the Influenza Commission of the U.S. Army from 1951 to 1952.

During his first year at Penn State in 1953, he was associated with the Department of Sanitary Engineering in stream pollution research. The following year he joined the faculty of the Department of Veterinary Science and served there until retirement.

At Penn State, Mr. Bubash was involved as diagnostic bacteriologist for both fowl and mammals. He worked cooperatively in a number of research programs, including studies on



George Bubash

respiratory, reproductive, and mastitis disease problems of domestic animals.

The author or coauthor of some 30 scientific publications, he has contributed sections or chapters to three nationally recognized textbooks. He is listed in the 14th and 15th editions of *Who's Who in the East* and holds five patents in his field of expertise. His professional affiliations include the American Society of Microbiology and Phi Sigma, national biological honorary fraternity.

He taught courses in veterinary bacteriology and he instructed veterinary science and dairy science graduate students in assorted bacteriological techniques. He extended veterinary bacteriology techniques by mail to veterinarians in private practice.

A native of Pittsburgh, Mr. Bubash earned a bachelor's degree from Penn State. He did graduate work in bacteriology while on the faculty. Both George and Amelia Bubash are graduates of Penn State, as are their four children — Nicholas, Mary, Stefany, and Alice.

25-year chair at Delaware County

John D. Vairo, director of the Delaware County Campus, was surprised when he was honored with his 25-year chair: he had just finished addressing an informal convocation of the faculty, on the patio of the Campus's new Library-Learning Center, when attention shifted to two "secret" visitors.

Unknown to Mr. Vairo, Dr. Robert J. Scannell, vice president and dean of the Commonwealth Educational System, and Dr. John L. Leathers, assistant to Dr. Scannell, were on hand to make the surprise presentation, "appearing" at the end of the informal convocation.

Mr. Vairo was appointed director of the Delaware County Campus in January 1967 when the Campus was opened. He has been a faculty member of the School of Journalism since September 1956, when he first became affiliated with Penn State. In addition to the directorship of the Campus, he also is an associate professor of journalism.

Mr. Vairo received a B.S. degree from the United States Merchant Marine Academy, a B.A. degree in history from Syracuse University, and an M.A. degree in journalism-history from Penn State.

He maintains research interests in, and has made contributions to, the scholastic press, labor press, public relations, and industrial journalism. He has participated in many Continuing Education conferences relating to professional journalism, public relations, labor press, and advertising.

He also served the University on a variety of committees and on commissions through the years he has been with Penn State.



John Vairo

Mr. Vairo holds membership in and is active in a number of educational societies and associations, both local and national.

Before affiliating with Penn State, he served as a newspaper reporter, photographer, and editor on newspapers in Pennsylvania and New York. He maintains an active interest in community planning and served on planning commissions at the township, county, and state levels.

Mr. Vairo is the recipient of a number of citations for work in professional journalism, community development, and for his work with educational associations.

From the Press

A Search for Equality: The National Urban League, 1910-1961. By Jesse T. Moore Jr. 252 pages. \$17.95.

A history of the Urban League that places it within the mainstream of Afro-American thought, this book shows the League as a major force for civil rights. Dr. Moore, who as a Sparks Fellow received his Ph.D. from Penn State, demonstrates that understanding the roots of the Afro-American search for equality is essential both to students of black history and to participants in the ongoing struggle for universal human rights.

Correcting previous interpretations, Dr. Moore contends that a number of individuals involved in forming the Urban League rose above the Washington-Du Bois controversy, attending to the needs and aspirations of blacks already acculturated to urban life as well as those who arrived in cities without the skills to prosper in a modern, industrial and increasingly complex society.

The record presented here shows that cooperation between the NUL and the NAACP has been the norm, despite occasional differences, and that the two organizations remain vibrant forces in the search for equality.

Dr. Moore teaches history at the University of Rochester, which awarded him the 1980 Curtiss Award for Excellence in Undergraduate Teaching.

Romantic Love: A Philosophical Inquiry. By Dwight Van de Vate Jr. 150 pages. \$15.75.

Romantic love is subject to the same philosophical analysis, this book shows, as any other human experience such as selfhood, good and evil, or justice—even though most philosophers have neglected it. An appropriate method of inquiry here, the author holds, "must be an ontological theory; it must evaluate the reality of love

in comparison to the other things we think are real."

Dr. Van de Vate's book is divided into three parts. Part I examines the layman's conception of romantic love as a "mysterious, unanalyzable feeling." It also examines the psychologist's conception of romantic love as "an unmythical natural phenomenon"—a drive. Part II turns to the sociologist's conception of romantic love as a social institution—"an interpersonal transaction with a social function." Part III concludes that romantic love is an objective social process which society makes possible "by granting the individual a private inner being which escapes typification by being literally unspeakable."

The Rediscoverers: Major Writers in the Portuguese Literature of National Regeneration. By Ronald W. Sousa. 192 pages. \$17.50.

This book is a study in the social history of literature. Portugal's power and prestige began to decline in the mid-1500s, reducing the nation's international standing and self-image to a low point from which it has never fully recovered. In the ensuing years, Dr. Sousa argues, mythicizing the Age of the Discoveries and establishing a link to it have been recurring patterns in Portuguese thought. These patterns are reflected in what is called "the literature of national regeneration."

Dr. Sousa shows how the self-image of writers since the Age of the Discoveries "commingles in their minds with the image they have of their nation." Chapters are devoted to several writers and their works, including Luis de Camoes, Antonio Vieira, Almeida Garrett, Eca de Queiroz and Fernando Pessoa.

The book's unique literary-historical synthesis makes it valuable to both Hispanic scholars and those seeking an introduction to Portuguese literature.

Staff Development

Eighteen University employees completed the Writing Skills for Secretaries/Clericals Program. They are:

Elizabeth Barto, clerk, drafting room B. Physical Plant; **Marlis Brooks**, clerk typist A, Housing and Food Services; **Joyce Combs**, secretary C, Libraries; **Kathy DeShong**, secretary bi-lingual, Liberal Arts; **Joan Emmanuel**, technical secretary C, Applied Research Laboratory; **Kathryn Getz**, clerk A, Libraries; **Linda Gruhn**, secretary B, Earth and Mineral Sciences; **Deborah Hamilton**, clerk A,

service desk, Physical Plant; **Margaret Holderman**, clerk typist A, Earth and Mineral Sciences;

Darlene Keller, clerk typist B, Housing and Food Services; **Katherine Marinakos**, secretary C, Intercollege Research Programs; **Oligi Mueller**, secretary C, Liberal Arts; **Diane Rusnak**, clerk, accounting A, Controller's Office; **Ruth Senior**, library assistant, Libraries; **Wanda Showers**, secretary C, Health, Physical Education and Recreation; **Deborah Snyder**, secretary B, Liberal Arts; **Carol Ann Wasson**, library assistant, Libraries; **Pamela Williams**, accounting clerk, Controller's Office.

Old Main Tower has new clock mechanism

If you hear a different sound emanating from Old Main Tower these days, there's a reason.

The University is experimenting with various bell and chime sounds for the Old Main clock. The chiming of the clock has been done electronically for many years. A special allocation of funds from the University's Office of Gifts and Endowments has been granted to replace the worn chiming mechanism.

A new mechanism was put into operation on Monday, Sept. 14, and is

now creating the sound of the chimes.

The Office of Physical Plant periodically will be changing the tone and other aspects of the chiming, and will be gathering reactions from the University community. A final decision will be made in the near future, regarding the actual character and tone that should be built into the new system.

"In the meantime, people should be aware that they will hear somewhat different tones than that to which they have been accustomed in the past," Ralph E. Zilly, vice president for business said.

Questions and comments can be directed to the Office of Public Information, 312 Old Main.

The Family on Trial: Special Relationships in Modern Political Thought. By Philip Abbott. 230 pages. \$16.75.

A defense of the modern family, in historical perspective, this book reconstructs political theory with the family in an important and honorable place. By reviewing critically both traditional and contemporary thought on the most special relationships—as well as current public policy issues relating to them—the author addresses concerns shared by professional and lay constituents. Noting Tocqueville's

observation of the American obsession with re-evaluating and remodeling the family, Dr. Abbott pleads for a balanced view.

A tradition exists, Dr. Abbott holds, that facilitates reconciliation between the modern family and the political order: pluralism. Pluralism is an attempt to balance individual autonomy and mutuality, decentralization and stratification, reform and tradition, reason and sentiment. Public policy in respect to schools, housing, health care, working conditions, and recreation should be designed to foster a pluralistic, family-centered society.



University class in the new skating rink



Penn State Hall of Fame

Photos: Scott Johnson

On Oct. 11

Dedication ceremonies planned for new Indoor Sports Complex

The University's new Indoor Sports Complex will be dedicated in formal ceremonies at 2 p.m. Sunday, Oct. 11, as part of Homecoming Weekend activities.

Approximately \$2.3 million has been contributed or pledged thus far for the project in the largest private fund-raising campaign in the history of the University.

Many of the donors to the complex will be on hand for the dedication. Speakers will include President Oswald; Quentin E. Wood, president of the Board of Trustees; Charles Lupton, executive director of the Office of Gifts and Endowments; Joseph V. Paterno, director of intercollegiate athletics; and Dr. Karl G. Stoedefalke, acting dean of the College of Health, Physical Education, and Recreation.

A reception for invited guests will be held at the indoor practice area following the dedication ceremony. Guided tours of the facilities will be given.

The Indoor Sports Complex project involved conversion of the old Ice Pavilion to an indoor practice area for the men's football, track and baseball teams, women's softball team, and men's and women's lacrosse teams.

The lower level of a new wing includes a year-round skating rink, a patch or figure skating area, locker rooms, showers, meeting rooms, and support facilities. In addition to club hockey, it is available for classes, public use and private rentals. There is seating for some 1,100 spectators at the rink. A warming room with a large fireplace is nearby.

The upper level of the new building, which is connected to the indoor practice area, houses rooms for specialized classes, offices, training and equipment facilities, meeting rooms, and lockers.

Coach Paterno and his football staff have offices in this area. One of the features of this floor near the entrance is a Penn State Hall of Fame, devoted to Penn State sports and outstanding athletes through the year.

Thirty-eight persons served on the project's fund-raising committee. Charles W. Shoemaker and Roland W. Oberholzer Jr. served as honorary chairman and campaign chairman, respectively. C.P. Neidig represented the Penn State Fund Council and was chairman of the advisory group.

Sever J. Toretti, former Lion athlete, later assistant football coach, chief recruiter and assistant athletic director, was coordinator of fund raising for the athletic department. Now retired, Toretti still works in behalf of the project as a volunteer.

Names of those who contributed \$1,000 or more to the complex will be displayed on gold, silver, and bronze plaques in the ice rink lobby.

The University continues to welcome financial gifts to the complex. Persons desiring information or wishing to contribute may contact Dave Colton, at the Indoor Sports Complex, phone 863-3041.

Houston president to give new lecture

Dr. Charles E. Bishop, president of the University of Houston, will speak on "Mobility of Capital and Labor in the 1980s" at 3 p.m. Tuesday, Oct. 20, in Room 301 Agricultural Administration Bldg.

Dr. Bishop's presentation is the first in a new annual lecture developed within the Department of Agricultural Economics and Rural Sociology. Known as the M.E. John Lecture Series, the talks will honor Dr. John, retired head of the department.

Before assuming the Houston presidency, Dr. Bishop, an internationally known economist, was president of the

University of Arkansas for six years. Earlier he was vice president for research and public service at the University of North Carolina and chancellor of the College Park Campus of the University of Maryland.

Engaged in classroom teaching and research for two decades, he also served as chairman of the Department of Economics at North Carolina State University and as a visiting professor in the Graduate School of Business Administration at the University of Virginia.

Dr. Bishop has served four of the last five U.S. presidents on high-level task forces or commissions. These activities studied such national issues as vocational education, rural development and balanced national growth.

Artists Series presents Suzuki Strings

The Artists Series' Fine Arts Series will present a performance by the Suzuki Strings at 7:30 p.m. Thursday, Oct. 15, in Schwab Auditorium.

The performance is part of the eleventh transcontinental American tour by young Suzuki students from Japan. They have delighted their audiences everywhere with their fine musicianship, the accuracy of their playing, and the beauty of their intonation.

The remarkable success achieved by Shinichi Suzuki in teaching young children to be fine violinists, through the method he calls "Talent Education," is now known around the world. Since 1958, when word of his success first reached the United States, enthusiastic interest among American string teachers has spread throughout the country, and today thousands of American youngsters too are learning to play the violin, and to love music.

Although the young performers range in age from 8 through 13, they will not be performing "children's music." They will present as complex a program as would be encountered at any adult program, including works by Mozart, Vivaldi, Saint-Saens, Chopin, and Bach.

In addition to the evening performance, a concert for young audiences will be presented in Eisenhower Auditorium at 11 a.m. Thursday. Tickets for both performances will be on sale at the Eisenhower Auditorium box office from 9:00 a.m. to 4:00 p.m., weekdays, beginning Tuesday, Oct. 13.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (interwork line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Oct. 15, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative

Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

SENIOR MEDICAL ILLUSTRATOR, COLLEGE OF MEDICINE, HERSHEY Responsible to the director, Educational Resources, for supervising the Graphic Division staff and creating surgical, anatomical, and scientific illustrations, producing conceptual and schematic art to include idea drawings, diagrams, charts and graphs. Cooperate in the production of teaching and research media involving graphics content, such as slides/tapes, television and related software. Bachelors degree in medical or biological arts or equivalency; masters degree preferred plus two-three years of effective experience.

Funding Sources

For further information, call 865-1375

(369-1) U. S. — Finland and U. S. — Sweden Cooperative Science programs have been established within the NSF Division of International Programs. Programs include research projects, joint workshops/seminars, and long-term research visits. For further information contact Mr. Henryk Uzarski (202-357-7554). (Ref. NSF Bulletin, September 1981) (369-2) Proposals for special research initiation awards in information science are due at NSF by Feb. 3, 1982. Program goals include increasing the understanding of properties and structures of information and information transfer and contributing to the store of scientific and technical knowledge which can be applied to the design of information systems. The announcement (NSF 81-34) has been ordered — or contact (202-357-9569). (Ref. NSF Bulletin, September 1981)

Penn State Intercom

Dr. Almquist receives prestigious award for livestock research

Dr. John O. Almquist, professor of dairy physiology, is one of three scientists who will receive a 1981 Wolf Foundation Award for agriculture. The award carries with it a gift of \$100,000.

Dr. Almquist, who is being honored for his work in artificial insemination for livestock improvement, will share the award with Dr. Henry A. Lardy of the University of Wisconsin and Dr. Glen W. Salisbury of the University of Illinois.

"I congratulate Dr. Almquist and his distinguished colleagues," President Oswald said. "This is a very prestigious award, and it brings great honor to Dr. Almquist and to Penn State."

"Dr. Almquist's pioneering research in artificial insemination has made direct contributions to alleviating world hunger. His techniques have greatly enhanced the world's supply of milk and meat."

The four-year-old Wolf Foundation awards prizes to researchers in agriculture and four other fields for "outstanding contributions on behalf of mankind." Winners—in agriculture, mathematics, chemistry, physics and medicine—are selected by five committees, each consisting of members from various countries. This year's committees included six Nobel laureates.

"More than \$31 million is being saved annually in the United States through use of Dr. Almquist's technique of adding antibiotics to bull semen, a practice now adopted worldwide," said Dr. Samuel H. Smith, dean of the College of Agriculture. "Total savings around the world is estimated to be \$580 million."

"Dr. Almquist is widely recognized for his work in artificial insemination and reproductive physiology of farm livestock. With his techniques, it is possible to inseminate 100,000 cows per year from top bulls, something that could not have been done a few years ago."

The award will be presented at a ceremony at the Knesset, the Parliament of Israel, in March. The president of Israel, ministers and other national authorities will be present. While in Israel, Dr. Almquist will deliver several lectures on his research.

Dr. Almquist has been conducting research at Penn State since 1944, when he was appointed to the faculty. By 1950, his modest, one-room research laboratory had developed into a greatly expanded Dairy Breeding Research Center.

His early research demonstrated the value of adding penicillin and streptomycin to diluted bull semen to control bacterial growth and increase fertility. As a result of that work, antibiotics are almost universally used by the artificial breeding industry.

Dr. Almquist realized early in his career that artificial insemination held tremendous potential for the dairy industry. He advocated, more than 20 years ago, the widespread application of frozen semen, ovulation control and improved feeding and management.

Today, three-fourths of the dairy cows in Pennsylvania are bred artificially, partly due to techniques developed by Dr. Almquist and his colleagues. The practice has permitted rapid increases in milk and meat production through the use of superior bulls, and has been of special value to small farmers, who cannot afford to buy such bulls. Many of the techniques developed by Dr. Almquist for cattle have been applied to other species, including humans.

Dr. Almquist said the Wolf Foundation Award is particularly gratifying because one of the other scientists who will share it—Dr. Salisbury—is his former teacher.

"It was Dr. Salisbury (then at Cornell) who first interested me in animal science research," he said. "As an undergraduate



Dr. Almquist in the Dairy Breeding Research Center

Photo: Scott Johnson

at Cornell, I was deciding whether to pursue a career in medicine, law or agriculture. After working in Dr. Salisbury's laboratory as an undergraduate, I knew I wanted a career in research."

Dr. Almquist went on from Cornell to earn a master's degree at Purdue and a doctorate at Penn State. He has been the recipient of several major awards and is author or co-author of more than 160 scientific publications.

Presentation of the Wolf Awards has

been selected to coincide with the first anniversary of the death of the founders, Dr. and Mrs. Ricardo Subirana Lobo Wolf, who passed away in February and March of this year, respectively. The exact date for the ceremony has not yet been set.

The Wolf Foundation was established by Dr. and Mrs. Wolf. In addition to the prizes for scientists, the Foundation sometimes awards major prizes to artists, regardless of nationality, for achievement in the interest of mankind.

Faculty Senate will recommend lifting 'dean's veto' from PS-23

After rejecting a substitute motion proposed by the PS-23 Commission, the University Faculty Senate voted Oct. 6 to recommend to President Oswald that PS-23 be modified to negate the so-called "dean's veto."

In a close vote which followed months of debate, the Senate agreed to a two-part recommendation proposed by its Faculty Affairs Committee to change the dean's veto section of PS-23, the University's policy document on promotion and tenure.

The first part of the committee's recommendation focuses on promotion and tenure review at the college level, while the second focuses on the issue at the Commonwealth Campuses. The recommendation, with changes or additions to the present policy indicated in italics, is as follows:

"... in all cases where a dean makes a negative tenure or promotion decision and where all recommendations prior to the dean's have been positive, that dean shall meet with the college (or University Libraries) committee and state his or her reasons for the negative decision. If, after consultation with the dean, the college or University Libraries committee feels that further review is warranted, the committee shall forward such cases to the Office of the Provost for transmittal to the University Promotion and Tenure Committee..."

"In reviewing Commonwealth Campus faculty... If the decision is made at the college or University Library level of review not to award tenure, the Dean of the Commonwealth Educational System shall notify the faculty member in writing (see

section IV.4); negative promotion decisions do not require such formal notification. In all cases where the deans make a negative tenure or promotion decision and where all recommendations prior to the dean's have been positive, one of the deans shall meet with the college (or University Libraries) committee and state the reasons for the dean's decision. If, after consultation with the dean, the college or University Libraries committee believes that further review is warranted, the committee shall forward such cases to the University Promotion and Tenure Committee."

The PS-23 Commission's recommendation, defeated as the substitute motion for the Senate committee's recommendation is as follows:

"In all cases where a dean makes a negative tenure or promotion decision and where all recommendations prior to the dean's level have been positive, that dean is required to meet with the college committee and state his or her reasons. The intent is to require full and candid discussion when such divergent recommendations occur."

In other action related to PS-23, the Senate tabled until its next meeting discussion of a proposed modification to administrative guidelines for evaluating teaching effectiveness as related to promotion and tenure.

Any proposal for revision to PS-23 that is passed by the Senate becomes a recommendation from that body to the President and must be acted upon by him before it becomes policy.

(Continued on page 4)

Search group named for HPER Dean

Provost Eddy has appointed a re-opened Search Committee to identify candidates for the position of Dean of the College of Health, Physical Education and Recreation.

Chairman of the re-opened search is Dr. Elsworth R. Buskirk, professor of applied

physiology and director of the Laboratory for Human Performance Research.

Members of the committee are: Monty L. Christiansen, associate professor of recreation and parks; Dr. Robert E. Dunham, vice president for undergraduate studies; Dr. James M. Eddy, assistant professor of health education; Vilma R. Hunt, associate professor of environmental health planning and administration; Dr. Herschel W. Leibowitz, Evan Pugh professor of psychology.

Dr. Wesley A. Olsen, associate professor of physical education, Ogontz Campus; Dr. Rosemary Schraer, associate provost; James I. Tarman, associate director of athletics; Dr. James G. Thompson, associate professor of physical education, and Barbara A. White, student.

Candidates should be available by the summer of 1982. Nominations and letters of application (with resume) should be sent to Dr. Elsworth R. Buskirk, chairman, HPER Dean Search Committee, The Pennsylvania State University, 205 Old Main, University Park, PA 16802.

Dr. Karl G. Stoenkel, associate dean for academic affairs in the College, is continuing to serve in 1981-82 as acting dean, following the appointment last year of Dean Robert J. Scannell as vice-president and dean of the Commonwealth Educational System.

Nobel Laureate to give seminar

Dr. Paul Berg, 1980 Nobel Laureate in Chemistry, will present a seminar at 4 p.m. today in 119 Osmond Lab. The seminar, entitled "Introducing Genes into Mammalian Cells," is sponsored by the Department of Chemistry and the Department of Microbiology, Cell Biology, Biochemistry and Biophysics.

Dr. Berg, a 1948 Distinguished Alumnus of Penn State, is a Willson Professor of Biochemistry at Stanford University and a non-resident fellow of the Salk Institute for Biological Studies. He also has served as chairman of the Department of Biochemistry at Stanford's School of Medicine.

Dr. Berg received the Nobel Prize in Chemistry for his studies on the biochemistry of nucleic acids.

Penn Staters

Dr. Charles O. Crawford, professor of rural sociology; **Dr. Edward V. Ellis**, associate dean for Continuing Education and Commonwealth Campuses in the College of Human Development, and **Nancy C. Covert**, Jefferson County Extension agent, have been appointed to the Pennsylvania Health Education Development Task Force by Dr. H. Arnold Muller, secretary of the Department of Health.

The Task Force, comprised of 12 persons from public and private organizations across the state, was created by Dr. Muller to examine the current state of health education in Pennsylvania and make recommendations for future organization and direction of such work.

Dr. Paul H. Cutler, professor of physics, has been named co-director of a NATO Advanced Study Institute on Quantum Metrology and Fundamental Physics Constants scheduled for the Ettore Majorana Center for Scientific Culture in Erice, Sicily, Nov. 16-18. His co-directors are Dr. A. Lucas of the University of Namur, Belgium, who served as an adjunct professor of physics at Penn State from 1975 to 1978.

According to NATO, the Institute is needed now because of the many advances that have taken place in the last 10 years in the science of measurement, particularly, the substantial improvement in the accuracy of the measurement of atomic constants and the velocity of light using laser technology and the more accurate determination of electrical standards using superconducting devices.

Drs. Cutler and Lucas were asked to convene and direct the Institute because of their research on the point contact diode. These devices have been and are being used in the extremely precise infrared and optical laser frequency measurements.

Maurice K. Goddard, professor emeritus of forest resources, has been awarded the Gifford Pinchot Medal by the Society of American Foresters "for outstanding contribution to the administration and professional development of North American forestry."

Dr. Goddard served as secretary of Forests and Waters and secretary of Environmental Resources of the Commonwealth from 1955 to 1978. Prior to this he was on the faculty of the School of Forest Resources, serving as its director from 1952 to 1955.

Dr. Inyong Ham, professor of industrial engineering, visited The People's Republic of China for three weeks to

present a series of lectures. He was invited by Xian Jiaotong University to conduct a two-week seminar on Group Technology.

Dr. Ham, who was named a "consulting professor" by Xian Jiaotong University, also presented two lectures at a special meeting sponsored by Shanghai Chapter of the China Society of Mechanical Engineers in Xian. He also attended a meeting sponsored by China Aviation Research Institute for Standardization in Beijing.

Dr. S. I. Hayek, professor of engineering mechanics, has been elected a Fellow of the Acoustical Society of America. At the Society's 101 meeting in Ottawa, Canada, Dr. Hayek chaired a session and presented two papers: "A New Model for a Noise Barrier on a Rigid Plane" (with M. Noble) and "Nearfield Acoustical Radiation from Spherical Shells" (with E. Wong). He also presented a paper entitled "Prediction of Echo Formation in Underwater Applications" at the International Symposium on Underwater Acoustics, held at Tel-Aviv University, Israel.

Dr. H. K. Henisch, professor of physics, was an invited speaker and session chairman at the 5th International Congress on Thin Films, held at Herzlia, Israel, September 20-25. He presented a paper on "Macroscopic Transport Processes in Thin Films," and served as a member of the International Advisory Committee. The congress proceedings will be published as a special issue of *Thin Solid Films*.

Dr. Glyn P. Norton, associate professor of French, presented an invited paper entitled, "La notion de *phrasis* dans la traduction française de la Renaissance," at the Third International Colloquium of the Association d'Etudes sur l'Humanisme, la Reforme et la Renaissance in Montpellier, France.

Dr. Robert W. Ott, associate professor of art, has been elected to a chairmanship of the International Council of Museums headquartered in Paris. Dr. Ott's election took place in Svendborg, Denmark, by a vote of the Committee for Educational and Cultural Action of ICOM.

As an elected chairman, Dr. Ott will head the Training Commission and will be advised by a six-member board composed of elected museum representatives from Germany, Sweden, Holland, England, Canada and France. The obligation of the board is to develop and publish policies

for the training of adults as educators, communicators and interpreters in museums.

Dr. Allen T. Phillips, professor of biochemistry, presented a paper, entitled "Function of NAD at the Active Site of Urocanase," at the Fourth International Conference on Methods in Protein Science Analysis held at the Brookhaven National Laboratory, Upton, N.Y.

Dr. William M. Smith, professor emeritus of rural sociology, is editor with Dr.

Raymond T. Coward, of the University of Vermont, of *The Family in Rural Society*, published by Westview Press, of Boulder, Colo.

The book provides a picture of present-day rural society, emphasizing the changing role and structure of the family. It analyzes demographic trends in rural areas, examines the effects of immigration on rural communities, looks at the diverse family patterns adopted in today's rural areas, explores how the role of women has changed in rural society, and describes the plight of the aged in the rural social system.

Faculty members named for search

Dr. Richard G. Cunningham, vice president for research and graduate studies, has named six faculty members to a Search Committee for the position of director of the Pennsylvania Transportation Institute.

Dr. David A. Anderson, associate professor of civil engineering, is committee chairman. Members are Dr. Philip D. Cady, professor of civil engineering; Dr. John J. Coyle, professor of business administration and head of the Department of Business Logistics; Dr. William H. Park, professor of mechanical engineering; Dr. Robert D. Pashek, acting director of the Transportation Institute; and Dr. James C. Wambold, professor of mechanical engineering.

Dr. Thomas Larson served as Institute director from 1968 until January, 1979, when he was granted leave of absence to serve as secretary of the Pennsylvania Department of Transportation.

The Transportation Institute is an interdisciplinary research center devoted

to studying transportation problems. Its three principal objectives are to conduct multidisciplinary transportation research and to disseminate research results; to provide significant educational and research opportunities for Penn State students, and to promote continuing educational opportunities for transportation professionals.

The Institute director is the chief academic administrator of the unit which is part of the Intercollege Research Programs and Facilities. The director also will hold a tenure-eligible faculty appointment with associated duties and responsibilities in an appropriate department of the University. An applicant must possess a doctorate; have the ability to conduct research; provide academic leadership; and administer interdisciplinary research programs. Applicants should have experience in teaching and have facility in interpersonal relationships.

Faculty/Staff Alerts

Review of health care coverage advisable

Regular University faculty and staff members are urged to review periodically the deductions being taken for their health care coverage (hospital/surgical/medical, dental and vision) to be certain that they are paying for the correct coverage.

A change in family status may affect your cost and your coverage. For example, when you get married, when you have a first child, or when your spouse stops working for the University, you run the risk of having inadequate dependent coverage, if you haven't taken steps to indicate the change in coverage desired.

Consideration should be given to changing coverage if any of the following circumstances arise:

1. You get married.
2. You get divorced (or separated and no longer wish to provide spouse dependent coverage).
3. You become the parent of a first child (note: a baby is covered automatically for 31 days following birth; however, to provide for coverage beyond that time for a child, a coverage form must be completed).
4. Your only dependent child reaches age 19 (or 23 in the case of a full-time student).
5. Your only dependent child gets married.
6. Your spouse begins or ceases working for the University as a regular employee.

Faculty adviser sought

Phi Kappa Theta, social fraternity, is seeking a faculty adviser. Anyone interested may contact George Severine, alumni and public relations officer, at the fraternity house, 338 E. Fairmont Ave., phone 238-9957.

7. Your only dependent child begins or ceases working for the University as a regular employee.

8. Your spouse enters military service.
9. Your only dependent child enters military service.
10. Your spouse dies.
11. Your only dependent child dies.

If you feel a change should be made, call, write, or visit the Employee Benefits Division, Room 133 Willard Bldg., 865-1473.

Faculty or staff members located away from University Park may receive assistance by contacting the appropriate Business Manager or Regional Personnel Officer.

The University has no way of knowing whether a change should be made, so it is the responsibility of the individual faculty or staff member to keep his or her records up to date. No refunds for overpayment will be made, unless it can be shown that the University was in error.

Early registration set

Early registration for Winter Term 1982 has been scheduled for mid-November by the Office of the University Registrar.

Degree students who have preregistered and who wish to accept their assigned schedules may register early from Nov. 16 through Nov. 20 in Room 112 Shields Bldg. The early registration times are from 8:30 a.m. to 4:30 p.m.

Isotopes use surveyed

A survey is being conducted by the National Research Council to determine current and future interest in the use of separated stable isotopes. The extent to which this survey receives a positive response may be expected to influence the availability of these isotopes in this country in the near future.

Anyone at the University who has an interest in the use of stable isotopes is invited to contribute to a response to the survey and may do so by contacting Dr. William W. Pratt, professor of physics, 104 Davey Lab, 863-0794.

Promotions

Staff Exempt

Karen E. Augustowski to admissions counselor II in Undergraduate Admissions.

Joseph A. Cessna III to specialist, shipping and receiving at Penn State Bookstore.

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Second-class postage paid at State College, Pa. 16801

Joanne M. Farwell to assistant director, development services in Gifts and Endowments.

Rita R. Hammond to admissions counselor II in Undergraduate Admissions.

Jane A. McLaren to personnel specialist in Housing and Food Services.

Theresa A. Novak to associate director of Undergraduate Admissions in Undergraduate Admissions.

Clerical

Joy L. Barger to secretary B in Human Development.

Elizabeth Barto to secretary C in Arts and Architecture.

Mary Lois Hamill to secretary B at Hershey.

Pamela M. Lohr to data preparation operator B in Management Services.

Technical Service

Carl R. Butler to maintenance worker area landscape in Physical Plant

University Park Calendar

October 15-25

Special Events

Thursday, Oct. 15

Fixed date for meetings involving Commonwealth Campus faculty.
College of Human Development, Action '81 Program, Faculty Day.
Artists Series: Shunichi Suzuki's Talent Education Tour for Young Audiences, 11 a.m., Eisenhower Auditorium.
Artists Series, Suzuki Strings, 7:30 p.m., Schwab Auditorium.
Un-Common Theatre, 2 one-act plays, *Love Star and Laundry and Bourbon*, 8 p.m., Room 112 Kern.

Friday, Oct. 16

Fixed date for meetings involving Commonwealth Campus faculty.
College of Human Development, Action '81 Program, Alumni Review Day.
Craft Demonstration, 11:30 a.m., Kern Lobby.
Interludia Folk Dancing, 7:30 p.m., HUB Ballroom.
Cinematheque Film, *Mainstreets*, 7 and 9 p.m., Room 10 Sparks Bldg.

Un-Common Theatre, 2 one-act plays, *Love Star and Laundry and Bourbon*, 8 p.m., Room 112 Kern.

Astronomy Open House, 8:30-11 p.m., 6th floor, Davey Lab. If overcast, will be held Saturday, Oct. 17. Open to the public.
Sports: ice hockey vs. Pittsburgh Jr. Penguins, 9:15 p.m.

Saturday, Oct. 17

Fixed date for meetings involving Commonwealth Campus faculty.
College of Human Development Alumni Society Board of Directors meeting, 9 a.m., 3 p.m., Mt. Nittany Room, Nittany Lion Inn.
Cinematheque Film, *Mainstreets*, 7 and 9 p.m., Room 10 Sparks Bldg.
Un-Common Theatre, 2 one-act plays, *Love Star and Laundry and Bourbon*, 8 p.m., Room 112 Kern.

Sports: men's cross country vs. Arkansas and Providence, 11 a.m.; field hockey vs. Ohio State, 1 p.m.; ice hockey vs. Pittsburgh Jr. Penguins, 3:30 p.m.

Sunday, Oct. 18

HUB Craft Center second session classes begin.
Shaver's Creek Environmental Center, Pioneer Crafts Festival, noon-5 p.m., Environmental Center.
Un-Common Theatre, 2 one-act plays, *Love Star and Laundry and Bourbon*, 8 p.m., Room 112 Kern.
Sports: field hockey vs. James Madison, 1 p.m.; men's lacrosse, Penn State Invitational.

Monday, Oct. 19

France Cinema, Robert, *The Tall Blond Man with One Black Shoe*, 7 and 9 p.m., Room 112 Kern.
Tuesday, Oct. 20
Chinese Student Association film, 7 p.m., Room 112 Kern.
Sports: soccer vs. Pittsburgh, 7:15 p.m.

Wednesday, Oct. 21

Commons Concert, "Duets," noon, Kern Lobby.
Graduate Council Meeting, 2:30 p.m., Room 101 Kern.
Musica da Camera, 8 p.m., Music Bldg. Recital Hall.

Thursday, Oct. 22

Commons Film Series, *Jeremiah Johnson*, 7 and 9 p.m., Room 112 Kern.
Robeson Cultural Center, Music of Scott Joplin, 8 p.m., Schwab Auditorium. Free admission.
Sports: field hockey vs. Cortland State, 3:30 p.m.

Friday, Oct. 23

Craft Demonstration, 11:30 a.m., Kern Lobby.
Commonplace Theatre, *Brubaker*, 7 and 9 p.m., Room 112 Kern.
Cinematheque Film, *The Enforcer*, 7 and 9 p.m., Room 10 Sparks Bldg.
Interludia Folk Dancing, 7:30 p.m., HUB Ballroom.
ACA Colloquium, 8 p.m., Room 102 Kern.
Sports: JV football vs. Fork Union Military Academy, 2 p.m.; ice hockey vs. Philadelphia Jr. Flyers, 9:15 p.m.

Saturday, Oct. 24

France Cinema, *Reinns, Mon Oncle d'Amerique*, 7 and 9 p.m., Room 112 Kern.
Cinematheque Film, *The Enforcer*, 7 and 9 p.m., Room 10 Sparks Bldg.
Artists Series, Chamber Music Society of Lincoln Center, 8:30 p.m., Eisenhower Auditorium.

Sports: football vs. West Virginia, 1:30 p.m.; ice hockey vs. Philadelphia Jr. Flyers, 8 p.m.

Sunday, Oct. 25

Shaver's Creek Environmental Center, informal insect hunt with Dr. Charles Rutschky, Dept. of Entomology, 2-4 p.m.
Commonplace Theatre, *Brubaker*, 7 and 9 p.m., Room 112 Kern.
Sports: field hockey vs. Virginia, noon

Seminars

Thursday, Oct. 15

Ceramic Science 500 Seminar, 11 a.m.-noon, Room 301 Steidle Bldg. Della Roy, professor of material science, on "Recent Advances in Ceramic Science."

Physics Colloquium, 2:20 p.m., Room 445 Davey Lab. M. Tinkham, Harvard University, on "Beyond Equilibrium Superconductivity."

Anthropology Colloquium, 3:30 p.m., Room 107 Carpenter Bldg. Eric Fredlund, on "Classifying Marriages: The Shitani Yonomamo."

Chemistry/MCB3 Seminar, 4 p.m., Room 119 Osmond Lab. Dr. Paul Berg, 1980 Nobel Laureate in Chemistry, on "Introducing Genes into Mammalian Cell."

Fuel Science Seminar, 4 p.m., Room 301 Steidle Bldg. J. J. Peters on "From Phenanthrene to Coke and Graphite."

Philosophy Colloquium, 4 p.m., Room 220 Willard Bldg. Donald P. Verene, Dept. of Philosophy, on "Philosophical Memory and Philosophical Truth."

Special Acoustics Seminar, 4 p.m., Room 73 Willard Bldg. Dr. Robert J. Hooker, senior lecturer in mechanical engineering, University of Brisbane, Australia, on "Noise of Load-Haul-Dump Vehicles."

Computation Center Seminar, 7:30 p.m., Room 101 Walker Bldg. Introduction to the use of the Tektronix 4662, Houston-Instrument CTS 15k, and 8222A electrostatic Versatec plotters.

Annual Fall English Conference, guest speaker, 9 a.m., Room 101 Kern. Dr. Donald Murray, professor of English, University of New Hampshire, on "Writing Before the First Draft."

Public Lecture, 8 p.m., HUB Gallery Lounge. Mr. Bruce Fitzwater on "The Logical Certainty of Christian Healing."

Dept. of German, film, *Der Schindler*, directed by Rolf Hadrich, 8 p.m., Room 167 Willard Bldg.

Friday, Oct. 16

Annual Fall English Conference, guest speaker, 9 a.m., Room 101 Kern. Dr. Donald Murray, professor of English, University of New Hampshire, on "Reading Unwritten Writing."

Anthology Chemistry Seminar, 4 p.m., Room 333 Whitmore Lab. Gene Karwacki on "Organic Molecular SIMS."

Public Lecture, 2:30-5:30 p.m., Room 107 Moore Bldg. Dr. Geoffrey P. Ivey, senior lecturer in child development, University of London Institute of Education, on "Why Deaf Children Often Fail to Develop Language."

Geography Dept. Coffee Hour, 3:45 p.m., Room 319, Walker Bldg. Edward D. Eddy, provost, on "Inside the Black Box: Penn State Management."

Monday, Oct. 19

Entomology Seminar, 4 p.m., Room 204 Patterson Bldg. Howard Fescmeyer, Dept. of Entomology, on "The Reproduction and Bionomics of Dyctidid Beetle Defensive Agents" (M.S. Thesis) Mark Hutton, Dept. of Entomology on "Comparison of a Microbial and Chemical Spray for the Control of *Triphleba* in *Habner Lepidoptera* (Noctuidae) on *Three Cultures of Lepidoptera*." (M.S. Thesis)

Tuesday, Oct. 20

Joint Solid State Physics/Physical Chemistry Seminar, 11 a.m., Room 339 Davey Lab. B.A. Scott, IBM T.J. Watson Research Center, Yorktown Heights, on "Amorphous Hydrogenated Silicon Prepared by a New (Homogeneous) CVD Method."

Ecology Seminar, 11:10 a.m., Room 2 South Frear. Dr. Richard Yahner, assistant professor of Wildlife, on "Why does a Deer (Muntjak) Bark Like a Dog?"

Office of Religious Affairs, "Faith on Faith," 12:30-2 p.m., Main Lounge, HUB. Dr. Rustum Rugh, Evan Gough professor of the solid state and geochemistry, on "Strengthening Your Faith Through Insights from Science."

Bring a bag lunch.
Business Economics Research Seminar, 3:30 p.m., Room 201 Business Administration Bldg. Dr. Keith Ord, professor of management science, on "Models of Spatial Pro-

cesses." Sponsored by the PA Economic Analysis Program, College of Business Administration.

Geosciences Colloquium, 3:45 p.m., Room 112 Walker Bldg. Dr. Anthony N. Manano, consulting geologist, Carlisle, Massachusetts, on "Current Trends in the Economic Geology of Carbonates."

Genetics Seminar, 4 p.m., Room 111 Animal Industries Bldg. Dr. T. Du, assistant professor of biochemistry, on "Introduction to Recombinant DNA Technology."

Engineering Science and Mechanics Seminar, 4 p.m., Room 214 Hammond Bldg. Dr. A. Rothwarf, Drexel University, on "Polycrystalline Thin Films for Terrestrial Solar Cells."

College of Earth and Mineral Sciences Student Council Undergraduate Seminar, 7:30 p.m., Room 102 Chambers Bldg. Dr. Gregory Forbes, assistant professor of meteorology, on "Tornadoes and Severe Storms."

Dept. of German lecture, 8 p.m., Room 124 Sparks Bldg. Axel Schulze, poet, prose and film writer from East Germany, on "Lyrik der DDR," along with a reading of his works followed by a discussion.

Inorganic/Organic Seminar, 8 p.m., Room 333 Whitmore Lab. Professor Jephrey Peterson, West Virginia University, on "Stereochemistry and Chemical Reactivity of Early Transition Metal Metallocenes."

Wednesday, Oct. 21
Organizational Behavior Seminar, 9 a.m., Room 201 Business Administration Bldg. Paul R. Lawrence, Wallace Brett Donham professor of organizational behavior, Harvard University, on "Organizational Adaptation."

Thursday, Oct. 22
Ceramic Science 500 Seminar, 11 a.m.-noon, Room 301 Steidle Bldg. Dr. M. Brin, General Electric, Schenectady, N.Y., on "High Temperature Hard Materials."

Anthropology Colloquium, 3:30 p.m., Room 107 Carpenter Bldg. Karen Gottlieb, assistant professor of anthropology, on "Twin Studies as a Tool in Physical Anthropology."

Physics Colloquium, 3:50 p.m., Room 117 Osmond Lab. J. O'Connell, National Bureau of Standards, on "Unsolved Puzzles in Electromagnetic Interactions."

Engineering Science and Mechanics Seminar, 4 p.m., Room 214 Hammond Bldg. Dr. J. Mort, Xerox Research Center, Webster, N.Y., on "Transport and Photogenetation Studies in Amorphous Silicon."

The Artists Series' FABULOUS FALL SALE of tickets will be held Tuesday, Oct. 22, at the Eisenhower Auditorium box office. During this special advance sale individuals will be able to purchase tickets for performances by the Chamber Music Society of Lincoln Center, Oct. 24.

Pilobolus Dance Theatre, Nov. 7, *They're Playing Our Song*, Nov. 12, and *A Christmas Carol*, Dec. 6.

The Chamber Music Society of Lincoln Center, performing at 8 p.m. Saturday, Oct. 24, in Eisenhower Auditorium, is the second event in the Music Series. The official performing organization at New York's Alice Tully Hall since 1972, the Society also has been presenting concerts at Washington's Kennedy Center. Its nationwide tours have been received enthusiastically by audiences and critics alike.

Its program at Penn State will include works by Danzi, Schumann, Britten, and Brahms. Performing will be Leonard Arner, oboe; Loren Glickman, bassoon; James Buswell, violin; Walter Trampler, viola; Leslie Parnia, cello; and Andre-Michel Schub, piano, winner of the Sixth Van Cliburn International Piano Competition last spring.

Also included in the FABULOUS FALL SALE will be tickets to the Pilobolus Dance Theatre performance on Nov. 7. Their performance on Nov. 6 has already been sold out by subscription. *They're Playing Our Song*, Neil Simon's smash Broadway musical, tells the hilarious story of a composer and lyricist who collaborate on more than music. *A Christmas Carol* will

A daily calendar of events is available around the clock at 863-1000. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Fuel Science Seminar, 4 p.m., Room 301 Steidle Bldg. Dr. Tony Perrotta, Gulf Research and Development Co., on "Growth of Mesophase in Various Carbonaceous Materials."

Math Colloquium, 4 p.m., Room 104 McAllister Bldg. Professor John Horvath, University of Maryland, on "Integrable Distributions and Convolutions of Distributions."

Philosophy Colloquium, 4 p.m., Room 220 Willard Bldg. Roberts Keelson, Dept. of Philosophy, 8erks Campus, on "Methodological Solipsism: Charles S. Peirce's Phenomenology."

Special Acoustics Seminar, 4 p.m., Room 73 Willard Bldg. Dr. Robert J. Hooker, senior lecturer in mechanical engineering, University of Brisbane, Queensland, Australia, on "Aeolian Vibration of Overhead Transmission Lines."

Friday, Oct. 23
Analytical Chemistry Seminar, 11 a.m., Room 333 Whitmore Lab. Karin Foley on "Surface Characterization with SIMS: CO Adsorption on Ni Surfaces."

Kern Gallery: open Monday through Saturday, 8 a.m.-11 p.m.; Sunday, noon to 11 p.m.

Jack Troy, ceramics: Shirley Steitz, drawings and watercolor; Bill David, drawings and water color, open Oct. 18.

Museum of Art: open 11 a.m.-4:30 p.m. Closed Mondays. Tours, Saturdays, 1:30 p.m. Oriental Works from the Museum's Collection. Danish Ceramic Design, opens Oct. 18.

Pattee Library: Bertolt Brecht: Photographs from the East German Government, East Corridor Gallery. Mary Pat Ford, studio photographs, Lending Services Facility. Sandy Sandmeyer, recent work in bath, through Oct. 23. Seventh-one Percent of the World as Interpreted through Maps, Poetry, and Art, opens Oct. 23. Second Floor East Highlights from the Akron-Schlesky Collection. Trade Union Memorabilia: An AFL-CIO Centennial Exhibition from the Collection of Edward Rosney. Rare Books Room.

Visual Arts Bldg. Zeller Gallery
Gallery Hours: 9 a.m.-5 p.m., Monday through Friday. Saturdays and Sundays, noon-5 p.m.

Leonard Lehrer, print exhibition, opens Oct. 16.

Artists Series fall tickets sale to open

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feature more than 100 life-size mannettes in a musical adaptation of Charles Dickens' immortal classic. There will be a matinee at 3:00 on Dec. 6 as well as an 8:30 evening performance of this delightful family show.

Penn State Symphony to present first concert

The Penn State Symphony Orchestra will present its first concert of the 1981-82 season at 8:30 p.m. Friday, Oct. 16, in Eisenhower Auditorium. The concert marks the debut of Smith Toulson, associate professor of music, as conductor of the symphony.

A composition by Franz Liszt, "Les Preludes," will open the symphony's program. One of the most popular of Liszt's orchestral works, the piece was originally intended to be part of a large choral work which was never completed. The title of the composition was taken from a poem by the French poet Lamartine.

Also included in the symphony's program is Brahms' "Tragic Overture" and the first Peter Gynt Suite by Edvard Grieg, the 19th century Norwegian composer. The symphony's string section will be featured on the Adagio for Strings by Samuel Barber, the well-known American composer who died in January of this year.

The School of Music is sponsoring the free concert, and the public is welcome.

Provost appoints search committee

Louis P. Inerra, associate professor of architecture, has been named chairman of the Search Committee for the dean of the College of Arts and Architecture and director of the University Arts Services.

Dr. Walter H. Walters, the dean and director for the past 12 years, has indicated that he plans to retire no later than January 1, 1982.

Members of the Search Committee, appointed by Provost Eddy, are: Dr. Maureen A. Carr, director, School of Music; Dr. Richard P. Chait, associate provost; Dr. Caroline D. Eckhardt, associate professor of English and

comparative literature; William Hull, director of exhibitions, Museum of Art; Daniel R. Jones, assistant professor of landscape architecture; Dr. Pierce F. Lewis, professor of geography.

Dr. John M. Lilley, dean, Behrend College; Dr. Lowell L. Manfull, professor of theatre arts; Dr. George L. Mauer, professor of art history; Richard Mayhew, associate professor of art; Jeanette D. Miller, student; and Dr. Roger R. Zellner, associate professor of art education, Altoona Campus.

Nominations and letters of application (with resume) should be sent to Louis P. Inerra, chairman, Search Committee, Dean of the College of Arts and Architecture, The Pennsylvania State University, 205 Old Main, University Park, PA 16802.

Nominations sought for teaching award

Nominations are still being sought by the College of Education for its annual Outstanding Teaching Award.

The deadline for nominations to be submitted is Oct. 19.

According to an announcement from the award committee, nominations will be accepted from undergraduate and graduate students, as well as former students, from all of the University's campuses. The recipient will be selected

by a committee of faculty members and students.

The award, which includes a cash prize, is presented to a College of Education faculty member who has a distinguished record in teaching and advising and who exhibits outstanding performance in developing quality instructional techniques and in aspiring students.

Nomination blanks, a complete list of criteria and a set of procedures may be requested from: The College of Education, Outstanding Teaching Award Committee, 165 Chambers Bldg., University Park, Pa., 16802.

Faculty Senate

(continued from page 1)

Turning to a legislative report from a special committee on computer and informational systems, carried over from its September meeting, the Senate agreed to four additional recommendations to the President and defeated one.

During its September meeting, the Senate agreed to a recommendation that it consider, through its committees, the establishment of a computer literacy requirement with the baccalaureate degree program.

The four recommendations agreed to Oct. 6 are:

1. . . . that the existing committee system be replaced by (1) an academic computer policy committee with representation primarily drawn from the faculty appointed by the Senate and including academic administration appointed by the President and (2) a similar committee for administrative computation. These committees would formulate University policy and assist and advise the manager of computation facilities for the University

in implementing policies on computation. . . . that the University recognize that fiscal requirements for computers are substantial and, in as much as possible, provide for these needs in a structured short and long range strategic plan of action.

2. . . . that the major computer system supporting instruction, academic-administrative needs, and informational needs be arranged such that they can be accessed from the same terminal and share access to common data bases.

3. . . . that computing facilities for research purposes using sponsored research funds be purchased with a minimum of imposed coordination at this time."

The recommendation defeated was "that the President appoint a manager (vice-presidential level) of information systems and computer facilities for the University reporting directly to him."

In other legislative business, the Senate agreed to a number of proposals from the Committee on Academic and Athletic Standards for changes to "Academic Policies and Procedures for Undergraduate Students," published annually in the *Penn State Student Handbook*. The changes are needed to make student rules conform with the early semester calendar system.

The Senate also heard a legislative report from the Committee on Undergraduate Instruction on proposed changes to one section of the policy regarding adjudication of grades, also published in the *Penn State Student Handbook*. After a lengthy discussion which brought to light several interpretations of the policy, the Senate tabled the committee's recommendation.

The Senate also heard two informational reports, one from the Faculty Affairs Committee on "A Study of the Sabbatical Leave Program," and one from the Committee on Undergraduate Instruction on the "Annual Report on the Distribution of Grades, Dean's List and Graduation with Distinction."

One Senator replacement was announced during the meeting: Theodore E. Kiffer replaces Murray S. Martin as a Senator from the College of the Liberal Arts.

The Senate's next meeting is scheduled for Tuesday, Nov. 10, at 2:10 p.m. in Room 112, Kern Graduate Bldg. The Senate Council will meet on Tuesday, Oct. 27.

President Oswald announces call for Faculty Scholar nominations

President Oswald has announced the call for nominations for the Faculty Scholar Medal for 1981-82. The faculty award for excellence in scholarship, research and art was established in September, 1980, to honor those who have excelled in creative work and to express the University's gratitude and appreciation for those achievements.

The awards are to be given in recognition of scholarly or creative excellence represented by a single contribution or a series of contributions around a coherent theme. The attainment for which the candidate is to be honored shall have occurred during the three years preceding the nomination for the award.

The contribution may be original basic research in any area of science; it may represent application of knowledge in the creation of a process or device useful to society; it may be in any area of the arts or humanities such as poetry, musical composition, design, sculpture, paintings, ceramics, theatre arts and photography.

Candidates will be considered in arts and humanities; life and health sciences; physical sciences and engineering, social and behavioral sciences.

Faculty members honored at Winter Term commencement last year were Gerard J. Braut, arts and humanities; Peter R. Gould, social and behavioral sciences; Hiroshi Ohmoto, physical sciences and engineering; and John A. Waldhausen, life and health sciences.

The selection panel for the arts and humanities area is under the chairmanship of Robert W. Carrubba, professor of classics and associate dean, Graduate School. Other members are Paul Axt, professor of mathematics; Frederick R. Matson, professor emeritus of archaeology; and Peep Rebane, associate professor of history at Ogontz.

Howard E. Morgan, Evan Pugh

professor of physiology, chairs the panel for the life and health services area. Other members are Elsworth R. Buskirk, director of the Human Performance Laboratory and professor of applied physiology; Edward G. Buss, professor of poultry science; Thomas Smyth Jr., professor of entomology; and G.K. Strother, professor of biophysics.

The panel for the physical sciences and engineering area is chaired by Alfred K. Blackadar, professor of meteorology. Serving with him will be Stephen J. Benkovic, Evan Pugh professor of chemistry; Edward H. Kleivans, professor of nuclear engineering and research dean, College of Engineering; Arthur J. Marsicano, associate professor of engineering at Schuylkill; and Philip L. Walker, Evan Pugh professor of materials science.

Carol A. Cartwright, professor of education and acting associate dean, Commonwealth Educational System, chairs the panel for the social and behavioral sciences. Other members are Roy C. Buck, professor emeritus of sociology and social science; Peirce F. Lewis, professor of geography; John D. Martz, professor and head of political science; and Stephen J. Cimbala, associate professor of political science and associate director for academic affairs, Delaware County Campus.

Pioneer Festival set

Shaver's Creek Environmental Center will hold its sixth annual Pioneer Crafts Festival at the center from noon to 5 p.m. Sunday, Oct. 18.

More than 25 craftsworkers will share their specialties and sell their wares. Included will be demonstrations of candlemaking, spinning, quilting, herbal lore, woodworking and blacksmithing.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Oct. 22, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (FES-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

MANAGER OF FLEET OPERATIONS, OFFICE OF BUSINESS SERVICES, UNIVERSITY PARK Responsible to the director, Fleet and Airport Services for overall administration of Fleet Operations including facilities, equipment and personnel. Responsible for planning, organizing, controlling and coordinating functions. Accountable for total overall effectiveness and performance results. Bachelor's degree or equivalent in business administration plus four to seven years of effective experience in motor fleet management.

There are positions in certain work units that, because of the large number of such positions, frequently are still available after employees in the work unit have been considered. They are listed below and will not be listed on an individual vacancy basis. Application for such positions may be made at any time, and you are welcome to make your interests known now to the Employment Division for future consideration when such vacancies occur. These positions are:

POSITION TITLE	LOCATION
Assistant Coordinators	Student Affairs
Assistant Food Supervisors	Housing and Food Services
Computer Operators	Intercollege Research Programs
Shifts: 8:00 a.m. to 4:30 p.m. 4:30 p.m. to 1:00 a.m. 12 midnight to 8:00 a.m.	

Programmers	Management Services
Research Aides	College of Agriculture Student
Residence Hall Area Coordinators	Student Affairs
Cardiology Technicians	Hersey
Clinical Laboratory Assistants	Hersey
Licensed Practical Nurses	Hersey
Critical Care Monitoring Technicians (Jr. & Sr. Levels)	Hersey
Cryo-Technologists	Hersey
Medical Technologists (CLIA, MLT, Hersey)	Hersey
Nuclear Medical Technicians	Hersey
Pharmacists	Hersey
Physical Therapists	Hersey
Physician's Assistants	Hersey
Psychiatric Assistants	Hersey
Respiratory Technicians	Hersey
Research Technicians (Jr. & Sr. Levels)	Hersey
Respiratory Therapy Technicians	Hersey
Staff Nurses	Hersey

Funding Sources

For further information, call 865-1375

(070-1) The National Science Foundation (NSF) and the National Endowment for the Humanities (NEH) announce new guidelines for Interdisciplinary Incentive Awards and Sustained Development Awards under NSF's Ethics and Values in Science and Technology (EVIST) program. The applications closing dates Feb. 1, 1982, SEI-42A and SEI-42B have been ordered. The contact is Dr. Arthur Norbert (202-357-7550). (Ref. NSF Bulletin, October 1981)

(070-2) A limited number of computing equipment grants for research in the mathematical sciences are available from the National Science Foundation. Specific research project pursuits are the required criteria for the purpose of assisting researchers whose work is limited due to lack of suitable equipment. A target date of Dec. 1, 1981 is anticipated. Contact Dr. Alvin Thaler (202-357-9764). (Ref. NSF Bulletin, October 1981)

Scholars Program to offer campus seminars

The University Scholars Program is offering special seminars during the 1981-82 academic year at the McKeesport, New Kensington and Beaver campuses. Students from five campuses, including Shenango Valley and Fayette, will share in the program.

The first of the seminars will begin at noon, Tuesday, Oct. 20, at McKeesport when Dr. David R. Dilley, economist of United States Steel Company, will address students in a special lecture on "Supply-Side Economics." Following the public lecture will be a private lunch with the Scholars Program participants and faculty advisers, and an afternoon seminar to discuss economic theories and applications.

The Western Pennsylvania Scholars Seminars also will hold Winter and Spring Term seminars at the New Kensington and Beaver campuses. Tentative plans call for the topics to be presented on "International Terrorism" and "The Ethics of Bioengineering."

Penn State Intercom

October 30

Eisenhower Chapel to mark first 25 years

A celebration marking the 25th anniversary of the Helen Eakin Eisenhower Chapel will be held 11 a.m. Friday, Oct. 30, in the All-Faith Chapel.

President Oswald, joined by representatives of the major faiths, will participate in the ceremony, which will be followed by a buffet luncheon in the Frizzell Room of the Chapel.

Eisenhower Chapel, the campus center for religious activities, came into being under the leadership of Milton S. Eisenhower, University president from 1950 to 1956.

Ground for the Chapel was broken on Feb. 22, 1955, and the cornerstone was laid by President Dwight D. Eisenhower on June 11, 1955. An official dedication of the Chapel was held Sept. 16, 1956. In 1976, an additional unit to the Chapel was completed and dedicated.

Construction of all phases of the Chapel was made possible through gifts from alumni and friends of the University.

As the focal point of religious activity on campus, the Chapel serves as the worship center for many religious groups and provides meeting space for their social and educational programs. Office space also is provided for the major campus ministries and for organizational staff.

The Chapel is managed by the Office of Religious Affairs, which also oversees and facilitates the activities of religious workers on campus and provides educational programs which explore contemporary issues from a religious perspective.

This fall, and throughout the year, the Office of Religious Affairs and associated ministries will present programs focusing on Penn State's religious traditions and current practices.

The University community is invited to attend the Oct. 30 anniversary ceremony.



Members of the University's newly-established Commission for Women are, seated, from left, Louise Sandmeyer, Patricia Farrell, Carol Cartwright, Rosanel Oswald, Jane McCormick, Rosemary Schraer, Joan Thompson, Audrey Rodgers; standing, from left, Melanie Miller, Kathryn Johnson, Kathryn Moore, Nancy Tischler, Wendy Oakes, Nancy Lyday, Barbara Kautz, Maureen Carr, Jacqueline Schoch, and June Gamble.

Behrend College to bestow four Medallion awards

Behrend College will present the highest honor it can bestow, the Behrend Medallion, to four prominent persons in recognition of contributions which "have had a significant influence on the prestige and betterment of the Erie community."

Dr. John M. Lilley, dean of Behrend College, and President Oswald will present the awards in a special ceremony Oct. 22 at 8 p.m. at the Kahkwa Club, a country club in Erie.

Receiving the awards will be Donald M. Alstadt, president of Lord Corporation; Harnet Behrend Ninow, whose parent's home, Glenhill Farm, is now the Behrend campus; Robert C. Reed, retired General Electric executive; and Allyn S. Wright, chairman of the board of Reed Manufacturing Co.

Mr. Alstadt, a nationally recognized industrialist, is an author and lecturer on management technology and innovation.

He also serves on the Behrend Council of Fellows.

Mrs. Ninow's mother, Mary Behrend, gave her parent's estate to Penn State in the mid-1940s for the establishment of the College in memory of her husband, Ernest.

Mr. Reed, a former member and vice president of the Behrend Advisory Board (now known as the Council of Fellows), served in 1953 as chairman of the capital fund drive for construction of Erie Hall, the first new building on the Behrend campus. The campus's Reed Building is named in honor of his father, J. Elmer Reed.

Mr. Wright served on the committee which worked to bring Penn State to Erie. He was a member of the College's first Advisory Board, served as its president for two years, and is now a Life Fellow.

More than 200 persons have been invited to join in honoring the award recipients.

Crownvetch to be official state plant?

A bill that would make Penngift Crownvetch the official "beautification and conservation plant of Pennsylvania" has been introduced in the State Senate.

Crownvetch, a hardy legume, was discovered by Dr. Fred V. Grau in June, 1935, on a steep shale slope on the Robert Gift farm near Virginville, Berks County. Dr. Grau, at the time, was serving on the

University faculty as the nation's first Extension agronomist in turf.

After extensive experimentation by Dr. Grau, the plant was widely accepted for use as a ground cover. Since 1958, the Pennsylvania Department of Transportation has used the plant along the roadways of every interstate highway in the Commonwealth.

Women's Studies receives lecture fund

The University's Women's Studies Program has received a \$10,000 gift from Jay B. and Dr. Barbara L. Claster of State College.

According to Dr. Audrey Rodgers, associate professor of English and coordinator of the Women's Studies Program, the gift will be used to create the Claster Lecture Series. On a regular basis, the series will bring to Penn State women of distinction in such fields as science, literature, education, business, politics and the arts.

"We are most appreciative of the Clasters' generosity," Dr. Rodgers says. "Their gift will greatly enhance the cultural, as well as the academic, goals of the Women's Studies Program."

The Women's Studies Program was instituted three years ago in the College of the Liberal Arts. It is an interdisciplinary academic program offered as a 21-credit option, and is open to all students of the University. Thirty-five faculty members, men as well as women, are engaged in the program.

In addition to the academic program,

Women's Studies has hosted visits from such outstanding women as poet Denise Levertov, and NOW founder Karen De Crow. Women's Studies faculty members also have served on panels dealing with "women's concerns" such as sexual harassment and dual careers. More than 1,000 students have taken Women's Studies courses, and the program, both academically and culturally, is growing.

Dr. Rodgers says. The impetus for the gift came from Dr. Barbara L. Claster, a psychotherapist whose area of expertise is women. With a private practice in State College and New York City, Dr. Claster is currently involved in research toward a psychoanalytic theory of women and the development of psychotherapeutic techniques for women.

Mr. Claster is president of M.L. Claster & Sons, Inc., of Bellefonte. He serves on the Penn State Fund Council and on the boards of the American Heart Association, the Gesinger Foundation, and The Pennsylvania Manufacturers' Association.



Dr. Audrey Rodgers, standing, coordinator of the University's Women's Studies program, confers with Dr. Barbara and Jay Claster, who have established the Claster Lecture Series.

Penn Staters

Gideon Golany, professor of architecture, has been appointed a member of the Institute of Human Settlements, India, whose objective "is to conduct research, investigation and case studies on human settlements and to undertake demonstration projects." The Institute will conduct interdisciplinary studies in major problems on human settlements.

Stephen R. Grecco, associate professor of English, is one of 23 playwrights in the United States chosen for a 1981 Playwright Fellowship from the National Endowment for the Arts. One of 525 playwrights from across the country who submitted manuscripts, he was the only Pennsylvanian chosen.

Dr. Jan P. Holland, senior research associate, Applied Research Laboratory,

presented a paper entitled, "A Technique for Determining the Anisotropic Properties of Ambient Ocean Noise," at the International Symposium on Underwater Acoustics in Tel Aviv, Israel.

Dr. Donald G. James, professor of mathematics, presented an invited colloquium on "Forms, Groups, and Geometry" at the Mathematics Department of the University of Notre Dame.

Murray S. Martin, associate dean of libraries, is the author of *Issues in Personnel Management in Academic Libraries*. The book is Volume 14 in the JAI Press series, "Foundations in Library and Information Science," and deals with the ways in which current concepts of library personnel classification and use will have

to be modified in order to keep up with changes in institutional and library goals, declining budgetary support, and changes in technology over the next decade.

Dr. Margaret A. Newman, professor of nursing, has been appointed consultant for nursing research to the surgeon general of the United States Army.

Brig. General Hazel W. Johnson, chief of the Army Nurse Corps, said that Dr. Newman's "contributions in the field of nursing research are well known and the Army Nurse Corps is delighted to have (her) as a member of its team. We are working toward building a sound foundation for professional nursing practice in the Army Medical Department."

Dr. Elizabeth Ray, professor of home economics education, and head, Division of Occupational and Vocational Studies, is editor of the first yearbook for home economics education. The book, *Home Economics Teacher Education: Sixty*

Significant Years, is sponsored by the American Home Economics Association and published by McKnight.

It presents an historic perspective on the development of the field from the 1917 Smith-Hughes Act to the present. Included among the 15 contributing authors is Francine Hultgren, instructor in home economics education, who co-authored one chapter.

Dr. Thomas D. Yawkey, associate professor of education, has been appointed 1982 Conference co-chairman for the 15th annual conference of the Northeastern Educational Research Association.

Dr. William G. Yendol, professor of entomology, has been elected president of the Eastern Branch of the Entomological Society of America. The society provides an opportunity to over 1,800 entomologists for scientific interchange in Northeastern United States.

Promotions

Faculty

Betty Holmes to assistant professor of education and reading at Capitol.
John C. Tamplin to assistant professor of English at Shenango Valley.

Staff Exempt

David E. Branigan to director of financial reporting in Controller's Office.

Donald J. Cook to farm supervisor in Agriculture.

Kay L. Holtzman to supervisor, surgery research animal laboratory at Hershey.

James W. Locker Jr. to coordinator, equal employment opportunity program in Agriculture.

Jesse L. Shade to assistant housekeeping supervisor in Housing and Food Services.
Phyllis L. Smith to assistant housekeeping supervisor in Housing and Food Services.

Peter F. Special to supervisor, trades in Physical Plant.

Bradley J. Wilt to assistant to the director in Intercollegiate Research Programs.

Staff Non-Exempt

Patricia A. Myers to senior staff nurse at Hershey.

Clerical

Susan DelPonte to secretary B in Science.
Winifred F. Haldeman to clerk A, benefits in Personnel Administration.

Carpoolers

Debra Lauder would like to share driving from the Warriors Mark-Seven Stars area. She works at the Findlay Post Office from 8 a.m. to 5 p.m. She can be reached at either 865-0465 or (814) 632-8562.

Madeline Yarnell needs a ride from Bellefonte to State College. Her working hours are from 9 a.m. to 3 p.m. at Rec Hall. She can be reached after 5:30 p.m. at 355-8308.

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Shelby L. Hoy to secretary B in Agriculture.

Shirley J. Keller to secretary B in Agriculture.

Sylvia H. Malone to clerk, transcript A in Registrar.

Douglas H. McAnallen to clerk A in Libraries.

Donna C. Nicely to secretary B in Engineering.

Donna Rignin to clerk, billing A in Physical Plant.

Daisy E. Romig to clerk, records A in Graduate School.

Evelyn D. Smith to clerk A, Interlibrary Loans in Libraries.

Deborah Underwood to clerk A, information retrieval in Personnel Administration.

Carrie E. Winters to data input-error control clerk at Hershey.

Kathy L. Zettie to secretary A in Agriculture.

Technical Service

Harold L. Doll to maintenance worker area landscape in Physical Plant.

Nancy J. Guttischall to storeroom clerk C at Hershey.

Stephen E. Harbst to maintenance worker area landscape in Physical Plant.

Samuel K. Lykens to equipment and locker room attendant in Health, Physical Education & Recreation.

Samuel Ryder to groundskeeper landscape A in Physical Plant.

Glays E. Sampsel to residence hall utility worker in Housing and Food Services.

Richard F. Shawley Jr. to residence hall preventive maintenance worker in Housing and Food Services.

Jeffrey Sowash to refrigeration technician, apprentice in Physical Plant.

Obituaries

Edna M. Schultz, who retired April 7, 1971, as salad group leader in Housing and Food Services, died Oct. 10 at the age of 75. She had joined the University staff Sept. 11, 1959.

Betty J. Whippo, who joined the University staff Oct. 1, 1948, as a maid in Housing and Food Services and retired Feb. 14, 1976, as assistant housekeeping supervisor, died Oct. 10. She was 60.

Matthew W. Lengyel, research associate in the Applied Research Lab, died Oct. 8 at the age of 48. He joined the University staff March 13, 1965, as research assistant in ARL and was promoted to research associate July 1, 1971.

George C. Wheeland, groundskeeper in Physical Plant from April 17, 1938, until his retirement Nov. 1, 1969, died Oct. 8. He was 70.

Retirements

"I really enjoyed working with the students," recalls **LaVada J. Dixon**, secretary in the College of Science. "I made such lasting relationships with many of them. Some of the students, such as student council members who graduated as long as 10 years ago, still write to me to find out what's going on here. Yes, the students really made the job worthwhile."

With pleasant memories of the past and high hopes for the future, Mrs. Dixon left the University on Oct. 1 after 20 years of service.

She notes that her new lifestyle will require some "initial adjustment." "I'm still getting up at 6 or 6:30 a.m. It still feels like I'm on vacation . . . it will probably be a couple of weeks before this hits me!"

Future plans for Mrs. Dixon include doing volunteer work with retarded or brain-damaged children for an organization such as PARC (Pennsylvania Association for Retarded Citizens). Her spare time will also enable her to be with her husband, Joseph, department head of Chemistry, when he travels on his job.

LaVada Dixon began her Penn State employment in 1961 as a clerk typist for Dean Brickwedde in the then College of Chemistry and Physics. Her job was upgraded through the years to her most recent position as secretary in the College of Science to Dean Norman Freed, associate dean for resident instruction. Her duties entailed handling student work, such as registration, graduation, student council and student records.

"There isn't any building on campus that I didn't work in!" recalls **Robert W. Horner**.

As a Grade A plumber-fitter in Physical Plant, he worked for Penn State since 1955. In the ensuing years, Robert Horner

tackled a variety of duties from tearing out and installing new bathrooms, connecting valves on boilers to putting new equipment in the cheese room (Borland Lab) at locations all over University Park campus to Stone Valley. Now, 26 years later, Mr. Horner has retired.

Although he'll no longer be travelling around campus, Mr. Horner will be spending quite a bit of his spare retirement time exploring the great outdoors. In addition to his favorite pastimes of hunting and fishing, he says that he "just loves to be in the woods hiking around. Another favorite outdoor activity takes place in Beaver Stadium during the Fall as Mr. Horner avidly supports the Penn State football team. He's also active in the Nazarenes and the Pine Grove Mills VFW. Mr. Horner and his wife, Phyllis, reside in Petersburg. They have two daughters, Bonita and Judy, and two sons, Robert Jr. and Shawn. Robert Horner Jr. graduated from Penn State in accounting in 1975.

Clarence C. Beard, general helper at Capitol since Oct. 1, 1969, retired Oct. 13.

Partings

Wallace M. Swinehart, security supervisor at the Hershey Medical Center, left the University on Sept. 25. He had been an employee since 1967.

Dama L. Wirries, senior project associate in the Intercollegiate Research Programs, left the University on Oct. 11, after being employed since 1971.

Elizabeth L. Meek, administrative aide in the President's Office, will leave the University on Nov. 1. She began working at the University in 1964.

should request a biographical data form from the Employment Division, 117 Willard Bldg., 865-1387 (Network 475-1387), or submit a revised resume.

Tax to be withheld

The University again this year will withhold the Occupational Privilege Tax of \$10.00 from all University Park employees who are liable for the tax.

For faculty and staff members who are paid on a monthly basis, the tax of \$10.00 will be withheld from paychecks dated Nov. 30, 1981. For all other employees (technical service, graduate assistants and wage), the deduction will be made from paychecks dated Nov. 13, 1981.

If any employee wishes to appeal his liability for this tax, he should apply directly to Mr. Michael S. Groff, Tax Administrator, 118 South Fraser St., State College, Pa. 16801. Department heads are asked to be certain that part-time wage employees are aware of this tax.

Faculty/Staff Alerts

File updates urged

During the years they spend at the University, some employees acquire new skills or knowledge as the result of taking courses, participating in training programs or through individual study. They may also gain experience in another field through outside activities.

When employees apply for promotion to another job, it's important that this new information be in their files, the Employment Division points out. Unless employees provide such information about themselves, however, their files cannot be brought up to date.

The Employment Division urges that all employees periodically consider whether they can add to the information currently in their files. Persons who wish to do so

University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

October 22- November 1

Special Events

Thursday, Oct. 22

Commons Film Series, *Jeremiah Johnson*, 7 and 9 p.m., Room 112 Kern.
Robeson Cultural Center, Music of Scott Joplin, 8 p.m., Schwab Auditorium
Sports: field hockey vs. Cortland State, 3:30 p.m.

Friday, Oct. 23

Craft Demonstration, 11:30 a.m., Kern Lobby.
College of Education public lecture, 2:30 p.m., Room 101 Kern, Michael Round, headmaster.
Haling Manor Comprehensive High School (London, England) on "Recent Trends in English Education."
Commonspace Theatre, *Brubaker*, 7 and 9 p.m., Room 112 Kern.
Cinematheque Film, *The Enforcer*, 7 and 9 p.m., Room 10 Sparks Bldg.
Interludia Folk Dancing, 7:30 p.m., HUB Ballroom.
CSA Coffeehouse, 8 p.m., Room 102 Kern.
Sports: JV football vs. Fort Union Military Academy, 2 p.m.; ice hockey vs. Philadelphia Jr. Flyers, 9:15 p.m.

Saturday, Oct. 24

France-Cinema, *Resnais, Mon Oncle d'Amerique*, 7 and 9 p.m., Room 112 Kern.
Cinematheque Film, *The Enforcer*, 7 and 9 p.m., Room 10 Sparks Bldg.
Artists Series, Chamber Music Society of Lincoln Center, 8:30 p.m., Eisenhower Auditorium.

Sports: football vs. West Virginia, 1:30 p.m.; ice hockey vs. Philadelphia Jr. Flyers, 8 p.m.

Sunday, Oct. 25

Shaver's Creek Environmental Center, Informal insect hunt with Dr. Charles Rutschky, Dept. of Entomology, 2-4 p.m.
Commonspace Theatre, *Brubaker*, 7 and 9 p.m., Room 112 Kern.
Sports: field hockey vs. Virginia, noon.

Monday, Oct. 26

First day to sign Winter Term NDSL and University Long Term Loans, Room 208 Shields Bldg.
Deadline for November graduates to deliver theses to Graduate School and for department to certify completion of required papers for November graduates.
France-Cinema, *Resnais, Mon Oncle d'Amerique*, 7 and 9 p.m., Room 112 Kern.

Sigma Delta Epsilon — Graduate Women in Science, Panel Discussion, 7:30-9:30 p.m., Room 101 Kern Bldg. Drs. Nancy Chiswick, Stella Goldberg, Vilma Hunt, Eva Pell, Sylvia Stern, on "Superwoman — Myths to the Madness."

Slide presentation by Dr. Stephen Kress, "Bird Islands of the North Atlantic," 8 p.m., Room 26 Mineral Sciences Bldg. Sponsored by Shaver's Creek Environmental Center and the State College Bird Club.

Tuesday, Oct. 27

Red Cross Bloodmobile, 10 a.m.-4 p.m., HUB Ballroom.
Colloquy, George McGovern on "Conservation in America," 8 p.m., Eisenhower Aud. Admission is free.

Wednesday, Oct. 28

Red Cross Bloodmobile, 10 a.m.-4 p.m., HUB Ballroom.
Commons Concert, Richard Sleight, noon, Kern Lobby.
Robeson Cultural Center, movie, *King Solomon's Mines*, 7:30 p.m., Walnut Bldg. Free admission.

Chamber Choir, 8 p.m., Music Bldg. Recital Hall.

Thursday, Oct. 29

URTC, Williams, *The Glass Menagerie*, 8 p.m., Pavilion Theatre.

Friday, Oct. 30

Craft Demonstration, 11:30 a.m., Kern Lobby.
Commonspace Theatre, *Love and Death*, 7 and 9 p.m., Room 112 Kern.
Cinematheque Film, *Alien*, 7 and 9:15 p.m., Room 10 Sparks Bldg.
Interludia Folk Dancing, 7:30 p.m., HUB Ballroom.
URTC, Williams, *The Glass Menagerie*, 8 p.m., Pavilion Theatre.
GSA Coffeehouse, 8 p.m., Room 102 Kern.
Artists Series, Gregory Allen, pianist, 8:30 p.m., Schwab Auditorium.

Sports: soccer vs. Fairleigh Dickinson, 7:15 p.m.; women's volleyball, Penn State Classic.

Saturday, Oct. 31

Chinese Student Association film, 1:30 p.m., Room 112 Kern.
GSA, Halloween Party, 6:30 p.m., Rooms 101, 102, 104 and Lobby, Kern Bldg.
France-Cinema, Bergman, *Wild Strawberries*, 7 and 9 p.m., Room 112 Kern.
Cinematheque Film, *Alien*, 7 and 9:15 p.m., Room 10 Sparks Bldg.
URTC, Williams, *The Glass Menagerie*, 8 p.m., Pavilion Theatre.
Sunday, Nov. 1
Commonspace Theatre, *Love and Death*, 7 and 9 p.m., Room 112 Kern.

Seminars

Thursday, Oct. 22

Ceramic Science 500 Seminar, 11 a.m.-noon, Room 301 Steidle Bldg. Dr. M. Brun, General Electric, Schenectady, N.Y., on "High Temperature Hard Materials."

Anthropology Colloquium, 3:30 p.m., Room 107 Carpenter Bldg. Karen Gottlieb, assistant professor of anthropology, on "Twin Studies as a Tool in Physical Anthropology."

Physics Colloquium, 3:50 p.m., Room 117 Osmond Lab. J. O'Connell, National Bureau of Standards, on "Unsolved Puzzles in Electromagnetic Interactions."

Engineering Science and Mechanics Seminar, 4 p.m., Room 214 Hammond Bldg. Dr. J. Mort, Xerox Research Center, Webster, N.Y., on "Transport and Photogenetic Studies in Amorphous Silicon."

Fuel Science Seminar, 4 p.m., Room 301 Steidle Bldg. Dr. Tony Perrotta, Gulf Research and Development Co., on "Growth of Mesophase in Various Carbaceous Materials."

Math Colloquium, 4 p.m., Room 104 McAllister Bldg. Professor John Horvath, University of Maryland, on "Integrable Distributions and Convolutions of Distributions."

Philosophy Colloquium, 4 p.m., Room 220 Willard Bldg. Roberta Kevelson, Dept. of Philosophy, Berks Campus, on "Methodological Solipsism: Charles S. Peirce's Phenomenology."

Special Acoustics Seminar, 4 p.m., Room 73 Willard Bldg. Dr. Robert J. Hooker, senior lecturer in mechanical engineering, University of Brisbane, Queensland, Australia, on "Aeolian Vibration of Overhead Transmission Lines."

Computation Center Seminar, 7:30 p.m., Room 101 Walker Bldg. Introduction to the use of the Tektronix 4602, Houston-Instrument CPS 156, and 8222A Electrostatic Versatile plotters.

Friday, Oct. 23

Analytical Chemistry Seminar, 11 a.m., Room 333 Whitmore Lab. Karine Foley on "Surface Characterization with SIMS: CO Adsorption on Ni Surfaces."

Statistics Seminar, 2:20 p.m., Room 273 Willard Bldg. Dr. C. R. Rao, F.R.S., University of Pittsburgh, on "Statistical Analysis of Diversity: A Unified Approach and its Applications."

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker Bldg. Dennis Elpern, senior planner, Centre Regional Planning Commission, on "Planning in the Centre Region: Coronado Presses on Toward El Dorado."

Monday, Oct. 26

Philosophy Colloquium, 3 p.m., Room 124 Sparks Bldg. Ernesto Grassi, emeritus professor, University of Munich and director, Center of Humanistic Studies, on "Italian Humanism and Heidegger's Thesis of the End of Philosophy."

Geosciences Colloquium, 3:45 p.m., Room 101 Kern Bldg. Dr. Thomas B. McCord, Planetary Geosciences, Harvard Institute of Geophysics, on "Remote Sensing in the Planets."

Entomology Seminar, 4 p.m., Room 204 Patterson Bldg. Dr. Harry Hoogstraal, head, Medical Zoology Dept., U.S. Naval Medical Research Unit 3, on "Changing Patterns in Tickborne Diseases in Modern Society."

MCB Seminar, 4 p.m., Room 101 Altshouse Lab. David Shortle, Biology Division, M.I.T., on "Single-stranded Gaps as Targets for In Vitro Mutagenesis."

Tuesday, Oct. 27

Biology Seminar, 11:10 a.m., Room S-2 Frear Lab. Dr. William G. Gordon, National Marine Fisheries Service, Washington, D.C., on "Marine Fishes Management, Past, Present and Future."

Philosophy Colloquium, 3 p.m., Room 124 Sparks Bldg. Ernesto Grassi, emeritus professor, University of Munich and director, Center of Humanistic Studies, on "Italian Humanism and Heidegger's Thesis of the End of Philosophy."

Chemical Engineering Seminar, 3:45 p.m., Room 140 Fenske Lab. Professor K.A. Osseo-Asare, Dept. of Metallurgy, on "Interfacial Phenomenon and Mass Transfer in Hydrometallurgical Liquid-Liquid Extraction Systems."

Genetics Seminar, 4 p.m., Room 111 Animal Industries Bldg. Dr. R. Dietert, director of poultry science, Cornell University, on "Expression of a Chicken Oocyte — Development Antigen on Avian Hemopoietic Cells."

Women's Studies Colloquium, 7:30 p.m., Room 124 Sparks Bldg. Christine Makward, associate professor in French, on "Women, Writing and Theory in France Today."

Inorganic/Organic Seminar, 8 p.m., Room 333 Whitmore Lab. Professor Richard Heck, University of Delaware, on "Talladium Catalyzed Organic Synthesis."

Poetry Reading by William Meredith, author of *The Cheer*, *Hazard The Painter*, *The Wreck of the Thresher* and chancellor of the Academy of American Poets, 8 p.m., HUB Lounge. Sponsored by the English Department and the Institute for the Arts and Humanistic Studies.

Wednesday, Oct. 28

Office of Religious Affairs, "Forum on Faith," 12:30-2 p.m., HUB Gallery. Dr. Rustum Roy, Evan Pugh professor of the solid state and geochemistry, on "Strengthening Your Faith Through Insights from Science." Bring a bag lunch.

Philosophy Colloquium, 3 p.m., Room 124 Sparks Bldg. Ernesto Grassi, emeritus professor, University of Munich and director, Center of Humanistic Studies, on "Italian Humanism and Heidegger's Thesis of the End of Philosophy."

French Dept. Journal Club, 7:30 p.m., Room 124 Sparks Bldg. Thomas Hale on "Ala recherche de l'Épique chez les Songhai et les Zarma du Niger" and Annette LaPalme on "Une Année de recherches au Cameroun."

Thursday, Oct. 29

Ceramic Science 500 Seminar Series, 11 a.m., Room 301 Steidle Bldg. Dr. T.M. Besmann, Oak Ridge National Lab, on "Thermodynamic Measurements of Oxycarbide Nuclear Fuel Materials."

Analytical Chemistry Seminar, 11 a.m., Room 333 Whitmore Lab. Dr. Robert DeLevie,

Georgetown University, on "AC Methods in Electrochemistry."

Aesthetics, Literary Criticism and Interpretation Theory Seminar, 3:45 p.m., Gilpin Room. Nittany Lion Inn. Brent Wilson, Art Education, on "The Genesis of Aesthetic Response and Artistic Style: Puzzles and Prospects."

Physics Colloquium, 3:50 p.m., Room 117 Osmond Lab. S. Fleming, University of Maryland, University of PA., of Physical Science Techniques Applied to Art."

Fuel Science Seminar, 4 p.m., Room 301 Steidle Bldg. Dr. Leon Petrakis, Gulf Research and Development Co., on "ESR Studies on Coal."

Friday, Oct. 30

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker Bldg. Laks-huan Taps, associate professor of geography, on "The Vulnerability of American Agriculture and What Some People Are Doing About It."

Exhibits

Kern Gallery: open Monday through Saturday, 8 a.m.-11 p.m.; Sunday, noon to 11 p.m. Jack Troy, ceramics; Shirley Sturtz, drawings and watercolor; Bill Davis, drawings and watercolor.

Museum of Art: open 11 a.m.-4:30 p.m. Closed Mondays, Tours, Sundays, 1:30 p.m. Oriental Works from the Museum's Collection, Danish Ceramic Design.

Pattee Library: Bertolt Brecht: Photographs from the East German Government, through Oct. 28; A Commonplace Campus: Yesterday, Today and Tomorrow, opens Oct. 29. East Corridor Gallery. Mary Pat Ford, studio photographs, through Oct. 29, Cheryl King, drawings and paintings, opens Oct. 30. Lending Services Lobby. Sandy Sandweaver, recent work in batik, through Oct. 23. Seventy-one Percent of the World as Interpreted through Maps, Poetry, and Art, opens Oct. 23. Second Floor East. Highlights from the Allison-Shelley Collection, through Oct. 30. Trade Union Memorabilia: An AFL-CIO Centennial Exhibition from the Collection of Edward Rosney, Rate Books Room.

Visual Arts Bldg. Zoller Gallery. Gallery Hours: 9 a.m.-5 p.m., Monday through Friday, Saturdays, and Sundays, noon-5 p.m. Leonard Lehrer, paint exhibition, through Oct. 29; Duane Michaels, photo exhibition, opens Nov. 1.

Artists Series presents pianist

The Artists Series will present Gregory Allen, pianist, at 8:30 p.m. Friday, Oct. 30, in Schwab Auditorium as part of the "Pride of Pianists/The Young Prize Winners" segment in the Fine Art series.

Mr. Allen, 30, of Austin, Texas, was first prize winner of the Third Arthur Rubinstein International Piano Master Competition in Tel Aviv on April 16. He won the coveted prize over 36 competitors from 19 countries. Prior to taking top honors in the Rubinstein competition, Gregory Allen won second prize in the Washington International Competition in 1978, and the following month another second prize in the Queen Elizabeth Competition in Brussels.

Mr. Allen's program will include Variations in G by Leo Smit. Nocturne in

E-flat and Polonaise Fantaisie by Frederic Chopin, Sonata no. 7, for 64 "White Mass" by Alexander Scriabin, Nocturne no. 11 in F-sharp minor, op. 104 by Gabriel Faure, Prelude in A, op. 132, Etude-Tableau in F-sharp minor, op. 39, and Etude-Tableau in D, op. 39 by Sergei Rachmaninoff.

Visiting poet to present readings

Poet William Meredith will read from his own works at 8 p.m. Tuesday, Oct. 27, at an English Department colloquium in the HUB Gallery Lounge. He also will read at a Comparative Literature luncheon earlier in the day.

A New York City native and Princeton alumnus, Mr. Meredith is the author of seven books of poetry. His first, *Life Letter from an Impossible Land*, was chosen by Archibald MacLeish in 1944 for the Yale Series of Younger Poets.

His second book of verse, *Ships and Other Figures*, was published in 1948, followed by *The Open Sea* (1958), *The Wreck of the Thresher* (1964), *Earth Walk: New and Selected Poems* (1970), and *Hazard, and the Painter* (1975).

Mr. Meredith's visit is one in a series of fall poetry readings sponsored by the Institute for the Arts and Humanistic Studies, the Department of English and Pattee Library, with funding from the Pennsylvania Council on the Arts.

Scott Joplin music set for Schwab

"Scott Joplin and Friends," an evening of ragtime music, will be presented at 8 tonight in Schwab Auditorium.

The production is a creation of concert pianist and accompanist Den Kawash. A classical soloist, Mr. Kawash first encountered ragtime music in 1972. All selections played in the performance are Joplin compositions.

The show is a performing arts presentation of the Paul Robeson Cultural Center. Tickets to the performance may be purchased at the Hetzel Union Building main desk for \$2.

Residential building program established

A new academic program in residential building construction, to be administered by the Civil and Architectural Engineering departments in the College of Engineering, has been established at the University.

Bernard Hankin of Exton, a 1943 graduate of Penn State's Civil Engineering Department and immediate past president of the Pennsylvania Builders Association, is providing funds to establish a professorship of residential construction in the College of Engineering. Mr. Hankin initiated the program because "we weren't getting our share of professional engineers in our industry."

Musica da Camera to present first concert

Musica da Camera, the University's chamber orchestra, will present its first concert of the season at 8:30 p.m. on Wednesday, Oct. 28, in the Music Bldg. recital hall. The concert marks the opening of the group's 10th year of existence.

Handel's Concerto Grosso opus 6, No. 9

Penn State Ensemble to present concert

A program of recently-written works for wind band has been selected for the Penn State Symphonic Wind Ensemble's first concert of the 1981-82 season at 8:30 p.m. on Friday, Oct. 23, in the Music Bldg. recital hall.

The free concert, which is being sponsored by the School of Music, is open to the public.



Results announced for campaign drive

To date, University Park employees have contributed more than \$95,000 to the United Way. Fifty-six percent of the campus' 7,000 employees, including 550 new givers, have turned in their cards.

The University's goal this year is \$120,000 towards the Centre County goal of \$420,000 which serves 29 human service agencies in the county.

Persons who have not yet responded are urged to return their confidential replies to the United Way volunteer in their work area.

German philosopher to present seminars

Ernesto Grassi, emeritus professor of philosophy at the University of Munich, will present three seminars on "Italian Humanism and Heidegger's Thesis of the End of Philosophy" next week.

The seminars will be conducted from 3 to 5 p.m. on Monday, Oct. 26, Tuesday, Oct. 27, and Wednesday, Oct. 28, in Room 124 Sparks Bldg. Prof. Grassi's visit is being sponsored by the Department of Philosophy, the Department of German, and the Institute for the Arts and Humanistic Studies.

Prof. Grassi is the author of numerous books on the nature of art, myth, imagination, and the philosophical history of culture. A student of German philosopher Martin Heidegger for 10 years, he is a specialist in the rhetorical tradition of classical and renaissance philosophy.

Mr. Hankin's contributions will provide an endowed professorship in either the Civil Engineering or Architectural Engineering department. The faculty member appointed to hold it will coordinate the residential construction program at the senior-graduate level for students in both departments.

Both the Pennsylvania Builders Association and the National Builders Association have contributed to establishment of a Residential Building Construction Scholarship Fund which will assist young men and women who seek jobs in the residential construction business.

"In the Engineering College's centennial year, the homebuilders' involvement in education marks a trend in university-industry cooperation," Dr. Wilbur L. Meier Jr., dean of the College of Engineering, said.

—one of 12 concerti grossi comprising opus 6—will open Musica da Camera's program. For the piece, three concertists—violinists Chris Kranyak and Marta Malutza and cellist Leonard Feldman—will be featured in contrast with the full string ensemble.

In addition to concerts on campus, the group has performed extensively through out Pennsylvania and the eastern United States and has toured Europe twice in the last five years.

Musica da Camera, which is composed of specially-auditioned undergraduate and graduate music students and School of Music faculty, is directed by Dr. Douglas Miller, associate professor of music.

The University's School of Music is sponsoring the Wednesday evening performance. It is free and the public is welcome.

English headmaster to discuss education

Michael Round, headmaster of the Haling Manor Comprehensive High School in London, England, will give a public lecture at the University on Friday, Oct. 23.

Mr. Round, whose lecture is sponsored by the College of Education, will speak on "Recent Trends in English Education" at 2:30 p.m. in Room 101, Kern Graduate Building.

The lecture will include a question and answer period and refreshments will be available.

Computation Center plans two seminars

The Computation Center will conduct introductory seminars on interactive computing with VM and CMS at 7:30 p.m. on Nov. 10 and 12 in Room 108 Forum Bldg.

The dates and locations of the seminars have been changed because of a scheduling conflict. The second seminar will be a continuation of the first session, at which PSU documentation will be available.

Participants will be expected to have programming experience but the seminars will assume no knowledge of CMS.

The Computation Center also will offer a series of six seminars on Job Control Language (JCL) at 7:30 p.m. Monday and Thursday evenings, Nov. 30, Dec. 3, 7, 10, 14 and 17, in Room 112 Walker Bldg.

Concepts and facilities of the MVS operating system will be covered, and an overview of techniques for storing and transferring data when using disks and tapes will be given.

JCL, the language used by the operating system to manage jobs and data, provides a great deal of flexibility in manipulating data files. Prospective attendees should have a background equivalent to at least one programming course.

Registration for the seminars can be made by contacting Darlene Rhoads, 863-0422.

For academic affairs

Beaver Campus seeks associate director

A search has been opened for candidates for the position of associate director for academic affairs at the Beaver Campus.

Leo H. Takahashi, assistant professor of physics at Beaver, is chairman of the search committee. Members are Dr. Susan M. Bennett, assistant professor of psychology at Beaver; Dr. Thomas J. Knight, associate dean for Commonwealth Campuses and Continuing Education, College of the Liberal Arts; Dr. Eugene S. Lindstrom, head of the Department of Biology; Janet M. Loteki, president of the Beaver Campus Student Government; Association; Dr. M. Frank Mallette, professor of biology; Joseph J. Manak, assistant professor of engineering at Beaver; Dr. Lloyd J. McElroy, assistant professor of microbiology at Beaver; and Frank P. Montgomery, assistant director, Administration and Field Services, Continuing Education.

The new associate director will be responsible to the campus director for administering academic functions. Responsibilities will include working with the colleges and departments of the University in providing leadership in the professional development of faculty, in initiating new and innovative programs, and in campus service to the community.

Candidates should have an earned doctorate and successful academic administration experience, as well as at least five years of experience involving full-time teaching and scholarly pursuit, including preparation of proposals for external funding.

Applications and nominations should be sent by Nov. 20, 1981, to David B. Otto, director, Beaver Campus, Department U, Broadhead Road, Monaca, PA 15061.

Fuel scientist to give Taylor lecture

Dr. Irving Wender, internationally recognized fuel scientist and research professor at the University of Pittsburgh, will deliver two lectures as the 1981 Nelson W. Taylor Lecturer in Materials Science.

On Thursday, Nov. 5, he will discuss "On Our Energy Outlook through 2000," at 4 p.m. in 26 Mineral Sciences Bldg. On Friday, Nov. 6, he will talk about "Oil from Coal: Direct and Indirect Liquefaction Routes," at 4 p.m. in 112 Kern Bldg.

The Taylor Lectures, which are sponsored by the Department of Materials Science and Engineering, honor the memory of Dr. Nelson W. Taylor, who served as professor and head of the then Department of Ceramics from 1933 to 1943.

Dr. Wender was director of the Pittsburgh Energy Technology Center from 1972 to 1979, overseeing its changeover from the Department of the Interior to the Department of Energy. He then went to Washington where he served as director of the Office of Advanced Research and Technology within the Office of Fossil Energy. He was an adjunct professor at Pitt from 1964 to 1972 and assumed his present position there early this year.

He has received many awards for his research on coal chemistry and the



Dr. Wender

conversion of coal to synthetic fuels. He serves as editor of the journal, *Fuel*, and is on the editorial boards of three other journals.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1367 (network line 475-1367). Applications for these staff vacancies will be accepted until 5 p.m. Oct. 29, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-11) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam area veteran.

SYSTEMS DEVELOPER, INTERCOLLEGE RESEARCH PROGRAMS, UNIVERSITY PARK. Responsible to the manager of the Systems Development Group in the Computation Center for the development of significant enhancements of computer operating systems, modification of externally available system software, and the development of components of major subsystems. Bachelor's degree in computer science or equivalent, plus one year's directly related experience in system programming and system development on large IBM system.

SUPERVISOR, CENTRAL TRANSPORT SYSTEM, COLLEGE OF MEDICINE, HERSHEY. Responsible to the manager, Central Stores, for providing escort services to nursing floors and ancillary departments requiring effective supervision, coordination, and scheduling of personnel and resources. High school graduate or equivalent plus three to four years of effective experience.

PSYCHIATRIST, UNIVERSITY HEALTH SERVICES, UNIVERSITY PARK. Responsible to the director, Mental Health Center, for providing psychiatric and neurologic consultation, limited therapy and provide consultation services to various departments and agencies of the University. Medical doctor degree required with post-graduate training in psychiatry and neurology. Five to seven years effective experience required in psychiatry

For further information, call 865-1375

(PS-11) The National Endowment for the Humanities announces a Oct. 1, 1981, preliminary proposal deadline date for NEH Youth Projects for Major Project Grants. These are out-of-classroom projects for groups of young people (up to age 21) and are particularly appropriate for Universities and research centers to develop with young people. Outreach programs to secondary schools are also encouraged. Major project grants vary in amount. Pilot Grants are also encouraged and they range from \$2,500 to \$5,000. The pilot grant deadline is April 15, 1982. Guidelines have been ordered. The program contact is (202-724-0996). (Ref. NEH announcement)

(PS-12) The Smithsonian Institution is taking applications until Jan. 15, 1982, for higher education and research training fellowships in American history and material culture, art history, history of technology and science, anthropology, geology, geophysics and earth sciences. The fellowships, awarded on merit, support independent research in residence at the Smithsonian.

Postdoctoral awards are \$17,000 to \$20,000. Presidential awards are \$8,500 plus and a limited number of 10-week appointments for graduate students carry a \$1,500 award. For applications and information, contact: Smithsonian Institution, Office of Fellowships and Grants, 3500 L'Enfant Plaza, Washington, D.C. 20560. The Smithsonian requests that prospective candidates for fellowships indicate proposed fields of research along with the dates of degrees received or expected. (Ref. HENA, 10/09/81)

Penn State Intercom

Grant funds are received for energy conservation projects

More than \$94,000 in matching federal funds has been granted to the University for energy conservation improvements to four buildings, it was announced at the October meeting of the Executive Energy Conservation Committee.

The Department of Energy approved four Energy Conservation Measures grant applications submitted by Penn State in June, 1981, to the Governor's Energy Council, which administers the federal program in Pennsylvania.

The Harmony Hall dormitory at Beaver Campus, Worthington Scranton Campus's Student Learning Center, the Laboratory Building at the Wilkes-Barre Campus and Altoona Campus's Adler Building were approved by the Energy Department to receive a total of \$94,320. The grants will be combined with

University funds to meet the total costs of improvements.

The selected buildings were among 33 building improvement plans submitted by Penn State totalling \$1,135,000.

"We've been making and continue to make energy efficiency improvements throughout the Penn State system, but this grant allows us to implement procedures we otherwise could not afford," said Ralph E. Zilly, vice president for business and chairman of the committee.

According to the report, cost avoidances from the modifications will equal the University's costs in less than three years at all four sites, with the Beaver and Wilkes-Barre Campus buildings both returning the University's investment in

(Continued on page 2)



Ross B. Lehman

Holiday schedule is announced

The Office of Personnel Administration notes that at this time of year questions typically arise regarding the forthcoming holiday schedules.

The next official University holiday is Thanksgiving, Thursday, Nov. 26. The Friday following Thanksgiving is not an established University holiday.

In December this year and January, 1982, in accordance with policies PS-28, PS-62, the clerical policy book and the agreement covering technical-service employees, the holiday schedule is as follows:

Christmas is on Friday, Dec. 25. When Christmas is on a Friday, the other established University holidays are Dec. 24, 28, 29, 30 and 31. Friday, Jan. 1, 1982, also is a University holiday.

Except for essential services personnel, University offices will close beginning Thursday, Dec. 24, and reopen on

Monday, Jan. 4, 1982. Classes will end on Saturday, Dec. 19, 1981, at 12:25 p.m. and will resume on Monday, Jan. 4, 1982, at 8:00 a.m.

Milton S. Hershey Medical center schedules may vary, since employees there receive service days in lieu of the extra December holidays, because of the special nature of the Medical Center.

Biweekly paychecks will be dated and available on Wednesday, Dec. 23, covering the payroll period Nov. 29 through Dec. 12. Payroll deposits for biweekly checks also will be made Dec. 23.

Monthly paychecks will be available on Wednesday, Dec. 23, to cover the period Dec. 1 through Dec. 31 and will be dated Dec. 31. The early distribution of the monthly checks is being done as a convenience for employees to avoid their having to return to campus during the break to pick up their checks. Employees are cautioned not to attempt to cash the checks before the proper date since banks have been alerted not to accept the checks in advance. Monthly payroll deposits to bank accounts will be made on Dec. 31.

Ross Lehman to retire in 1983

Ross B. Lehman, executive director of the Alumni Association for the past 11 years, has announced plans to retire in the spring of 1983.

"We will miss Ross's able guidance and ready wit," President Oswald said.

"During the past 11 years, the Alumni Association has nearly doubled its membership and greatly expanded its service to the University. Under Ross's leadership, the University has instituted such programs as the Alumni Fellows' visits, career counseling and an annual vacation college for alumni."

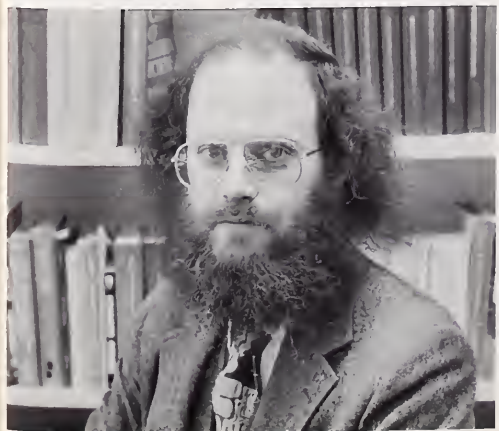
"Ross's extensive knowledge of Penn State's resources, including its alumni, has made him especially effective," added Richard A. Zimmerman, president of the Alumni Association. Mr. Zimmerman is president and chief operating officer of the Hershey Foods Corporation.

Mr. Lehman is a 1942 graduate of Penn State. A journalism major, he edited the Daily Collegian and was a member of several campus honorary societies.

He worked briefly as a news assistant in the University's Department of Public Information, and served two years as assistant city editor of the Lancaster New Era. In 1948, he returned to Penn State as assistant executive secretary of the Alumni Association.

During World War II, Mr. Lehman spent nine months in a German prison camp after his plane was shot down over Austria in 1944. He was a lieutenant in the Air Force, commissioned as a bombardier and navigator. He lost a leg in that incident, and later was awarded the Distinguished Flying Cross, the Air Medal with two clusters and the Purple Heart.

(Continued on page 2)



Dr. Robert D. Hume

Professor studies London stage

Editor's note: This article is one in an on-going series in which a faculty member describes work in progress.

By Robert D. Hume
Professor of English

Research in English is generally divided into critical interpretation ("What does this poem mean?") and an old fashioned kind of factual scholarship ("What is the date of this poem?"). Like most American-trained Ph.D.s I started as an interpreter of texts — but unlike most, I soon wandered into the more arcane realms of historical scholarship. It happened by accident.

In 1969, I started to write an article about the first new plays in England after 1660 (the theatres had been closed for 18 years by Cromwell's Puritan government). Only 15 or 20 late-seventeenth-century plays (of some 500) had ever been studied in much detail, and I found that the neglected plays cast a great deal of light on the well-known

ones. Fascinated, I read on, discovering that the popular types of plays interacted and changed almost on a year-by-year basis.

I soon realized to describe the evolution of the genres soundly, I had to date the plays well enough to be sure of their sequence. This was a serious problem. Almost no playbills have survived, and the first daily newspaper in London was not founded until 1702. There is a daily performance calendar, *The London Stage, 1660-1800*, compiled by five scholars over a period of 30 years and published in 11 volumes during the 1960s. But up to 1710 it is radically incomplete (fewer than 10% of the performances) and often inaccurate. I wrote my book (*The Development of English Drama in the late 17th Century*, published by Oxford in 1976), but in the process I found the direction of my research permanently changed.

In the course of reading every extant

(Continued on page 8)

Hettche named ARL director

Dr. L. Raymond Hettche has been appointed professor of engineering research and director of the University's Applied Research Laboratory.

Dr. Hettche, who assumes his new post Nov. 16, is superintendent of the Material Science and Technology Division of the U.S. Naval Research Laboratory (NRL), Washington, D.C. He replaces Dr. John C. Johnson, research professor of acoustics, who is stepping down to devote more time to program development and research.

Dr. Hettche will direct the University's major interdisciplinary research unit—a laboratory that has maintained leadership in technological developments for the U.S. Navy, through use of acoustic system and noise reduction techniques.

A native of Baltimore, Md., Dr. Hettche, in 1961, received both a B.A. in mathematics and a B.S. in civil engineering from Bucknell University. He got his M.S. and Ph.D. in civil engineering from Carnegie-Mellon University in 1963 and 1965 respectively.

From 1964 to 1966, he was an assistant professor of civil engineering at Rutgers University. For the next two years, he was a National Research Council research assistant at the National Bureau of Standards. In 1968, he joined NRL as a fracture mechanics consultant. He worked under Dr. J. Kraft, widely known expert on the dynamic deformation of aluminum alloys.

Transferring in 1971 to NRL's



Dr. L. Raymond Hettche

Thermomechanical Effects Section, Dr. Hettche initiated a research program in an emerging area of interest to the Navy: the response of materials to radiation. Over two years, he and his colleagues developed many innovative experimental and analysis techniques for investigating such phenomena. Their efforts grew into a major NRC program.

Dr. Hettche, who was appointed head of NRL's Micromechanical Branch in 1973, directed research programs and pursued his own research on the response of materials to pulsed laser heating. His significant research findings helped establish NRL as a national leader in the field.

Statewide essay writing contest is set for high school seniors

A casual conversation at a professional meeting has led to the establishment by the University of a statewide essay-writing contest for high school seniors.

Provost Eddy struck up a conversation with a headmaster at a leading Pennsylvania high school who lamented the demise of the *Atlantic Monthly* awards for superior high school writing.

"The awards were highly prized by students," Dr. Eddy said, "and had been credited with providing incentive to many students, not only to improve their writing, but to go into a career in writing. The headmaster suggested that this kind of endeavor was something a university might consider."

Following his return to Penn State, Dr. Eddy passed on the idea to Dr. Wendell V. Harris, chairman of the English Department, and offered to make \$1,500 available from the Fund for Academic Excellence for basic expenses and prizes.

The English Department obtained the joint sponsorship of the Pennsylvania Council of Teachers of English and seniors who will graduate in 1982 currently are being nominated by their high schools for the contest.

Dr. John Harwood, director of

composition at Penn State, said the contest is designed to encourage high school students in their writing and to recognize publicly some of the best student writers in the Commonwealth.

Ten finalists, who will be identified in March, 1982, will be recognized at University Park. The author of the best essay will receive an honorarium of \$100; the authors of the second- and third-place essays will receive \$75 and \$50, respectively.

According to Dr. Harwood, seniors nominated by their high schools will be asked to write an impromptu essay on a predetermined topic in one hour or less under the supervision of one of their teachers.

The high schools will then submit the essays—without revision—up to Penn State, where they will be judged by experienced teachers of composition from the University and PCTE.

"The new Penn State Award in Writing is exciting," Dr. Eddy said. "It could be an effective means not only of emphasizing the strategic necessity of good writing at the high school level, but also of recruiting superior students to Penn State."

Fraternities support numerous charities

Fraternities at University Park raised \$163,954 for charity and completed 10 community service projects during the 1980-81 academic year, reports George R. Severine, public relations chairman of the Interfraternity Council.

Mr. Severine notes that the figure, tabulated by the Office of Associated Student Activities, includes \$83,000 raised in the annual IFC-sponsored dance marathon for the Hershey Medical Center's Four Diamonds Fund.

Remaining funds were raised by various events sponsored by individual fraternities, sometimes in conjunction

with sororities. These include the Sy Barash Regatta, which raised \$19,000 for the American Cancer Society, and the Phi Psi 500, which brought in \$32,000 for Centre Community Hospital.

Fraternities also completed a wide range of community service projects, including an environmental clean-up project of Spring Creek, a Halloween party for orphans and disadvantaged children, and contributions of more than 100 pints of blood to the Red Cross Blood Drive.

"This year, the number and size of our philanthropic events are expected to continue to grow," Mr. Severine says.

Lehman to retire

(Continued from page 1)

For 26 years, Mr. Lehman and his wife, Katey, who passed away in January, wrote a popular daily column for the *Centre Daily Times*, "Open House," a warm and friendly look at home and family life, repeatedly won Keystone Press and Freedoms Foundation awards.

The Lehmans often wrote about their four children: Joanna, Kathryn, Amy and Ross.

Mr. Lehman helped his predecessor in the Alumni Association, Ridge Riley, establish the Penn State Foundation and the University's Alumni Institute and Alumni Fund. He has been active in the programs of the nearly 130 alumni clubs throughout the United States.

In 1973, he and his associates initiated an Alumni Fellows program, through which outstanding alumni return to campus to share their insights with students and faculty members. An honorary alumnus award and the two-week alumni vacation college, with lectures and programs by Penn State faculty members, also have been established in recent years.

The first Alumnae Day Program, a day of lectures on topics of special interest to women, was held in 1979.

"Our alumni programs have flourished, not because of me, but because of the insight and perception of University administrators and faculty members and because we have such excellent alumni on our Alumni Council," Mr. Lehman said. "It's a total effort. It's a family effort, actually."

An ardent family man, Mr. Lehman has often compared residents of the towns in which Penn State campuses are located to an extended family for students. In a 1961 *Open House* column he wrote:

"We, as townspeople, should feel proud of the products of Penn State... I don't believe we understand, sometimes in our busy lives, the strategic, individual, personal, vital role we play in the lives of these alumni. It is unique and wonderful."

Mr. Lehman was secretary of the Lions Paw Alumni Association and adviser to the Lions Paw student group for many years. Since 1970, he has been chairman of the University's Freshman Scholarship Committee.

Pianist and quartet featured in concert

The Alard String Quartet will be joined by pianist Steven Glaser, new faculty member in the School of Music, for a concert at 8:30 p.m. Wednesday, Nov. 4, in the Music Bldg. recital hall.

The first number selected for the program is Beethoven's String Quartet in C Minor, opus 18 No. 4. The Alard Quartet will also perform the String Quartet, Opus 8 by Kurt Weill—the only quartet written by the composer, who was best known for theatrical works such as "The Threepenny Opera," "Mahogany," "Street Scene" and "Down in the Valley." Written in Berlin when the composer himself was 23 years old, the piece is very representative of the expressionistic style.

The final number on the program, featuring Mr. Glaser, will be Schumann's Piano Quintet in E-flat, opus 44.

The Alard String Quartet is composed of violinists Joanne Zagst Feldman and Donald Hopkins, violist Raymond Page and cellist Leonard Feldman. All are associate professors in the School of Music.

Mr. Glaser, who received his B. Mus. degree with honors from the University of Michigan and his M. Mus. degree from Juilliard, has performed throughout the New York area and in Chicago, Washington, and in Israel as part of a



Steven Glaser

14-concert tour of the country. He has served on the faculty of C.W. Post College, the Pre-College Division of Juilliard and the Usdan Center for the Performing Arts. He is an instructor in the School of Music.

The concert, sponsored by the School of Music, is free and open to the public.

Poet-editor Sydney Lea to read from his works

Poet Sydney Lea, founding editor of *The New England Review*, will read from his own works at 3:30 p.m. Thursday, Nov. 5, in the Rare Book Room of Pattee Library.

Mr. Lea is author of two books of verse: *Searching The Drowned Man* (1980) and *The Floating Candles*, to be published in 1982. The latter work is also a Lamont nominee. He published a critical study, *Gothic to Fantastic*, in 1980.

His poems have appeared in *The New Yorker*, *Antaeus*, *The New Republic*, *Virginia Quarterly* and other magazines and journals. His essays and reviews have appeared in *Elhi*, *Parnassus*, *The New Republic* and *Studies in Romanticism*.

He has been a Bread Loaf Fellow and a Fellow of the Robert Frost Festival in Franconia, N.J., and has taught at Dartmouth, Yale and Middlebury.

Mr. Lea's visit is sponsored by the Institute for the Arts and Humanities Studies, the Department of English and Pattee Library, with funding from the Pennsylvania Council on the Arts.

Energy grants

(Continued from page 1)

1.7 years.

In other action, the committee approved of a publicity effort with the University's Office of Public Information and Relations to raise public awareness of energy and water conservation attempts, and their validity.

"It's estimated that 50 to 60 percent of the University's potential energy and water savings must come from voluntary accommodations and small sacrifices by the total University community," Mr. Zilly said. "So we want people to know what the University is doing to conserve, and how they can help."

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Keller gets new sculpture

A bronze sculpture piece by Sigrid Christensen, assistant professor of art, has been installed on the plaza in front of the J. Orvis Keller Bldg.

The sculpture, entitled "Gruppo Uno," was selected by Continuing Education in a competition sponsored for sculptors in the School of Visual Arts. The piece was installed with the support of undesignated funds from the Office of Gifts and Endowments.

The sculpture was cast in bronze in 1970 when Ms. Christensen was a second year graduate student at the Villa Schifanoia in Florence, Italy. It was shipped to this country in 1974 and has been on loan at the University of Pennsylvania's Wharton School of Business since 1975.

Ms. Christensen received her B.F.A. from the Rhode Island School of Design and her M.A. and M.F.A. degrees, in art history and bronze casting, from the Villa Schifanoia.

She also has taught at Rhode Island College, the University of Bridgeport in Connecticut, Carnegie-Mellon University and the University of California, Stanislaus, at Turlock.



University personnel install this bronze sculpture by Sigrid Christensen, "Gruppo Uno," on the plaza in front of the J. Orvis Keller Bldg.

New Liberal Arts minor-option is blossoming

The new professional skills minor-option for Ph.D. candidates in the College of the Liberal Arts, begun last winter, promises to blossom in its first full year of operation.

"We believe the program will help to make liberal arts doctoral students more attractive to employers outside academe

or, if they work within a college or university, more effective teachers and researchers," says Dr. John B. Smith, program director.

The professional skills minor-option is a one-year program (15-18 credits) that seeks to expand and develop the

analytical, research and communication skills of doctoral students. Although designed primarily for those in the liberal arts, it is open to doctoral students in any University program.

"Ph.D. students typically concentrate on the substance of their discipline, often overlooking the analytical, research and communication skills acquired en route," Dr. Smith, associate professor of English, says.

"These skills form the core of a number of professional activities in private industry, government agencies, research and consulting firms. By focusing on each skill separately, students will enlarge the areas in which they can apply the skills."

"More important, they will be strongly encouraged to think of themselves not only as students of literature or of history, but as individuals prepared to examine problems systematically and to work with others in finding solutions."

According to Dr. Smith, programs designed to make liberal arts students more marketable usually employ more business courses.

"The professional skills minor-option provides greater flexibility," he notes, "and, we hope, will provide our students with a wider range of opportunities."

Persons seeking further information should write Dr. Smith in care of the professional skills minor-option, 105 Sparks Building, University Park, PA 16802.

Labor Studies plans special conference

The Department of Labor Studies will hold a special conference, "Union Responses to Changing Environments: Corporate Structure, Technology and Public Policy," Thursday, Nov. 5, and Friday, Nov. 6, at the Keller Conference Center.

Topics will include: "The Impact of Technological Change on Union Organizing and Collective Bargaining," "Technological Change in the Office Workplace and Implications for Organizing" and "The Auto Crisis and the Union's Response." Speakers from the research departments of various international unions and representatives from the AFL-CIO will participate.

Anyone interested in further details can contact Donald Kennedy, Department of Labor Studies, 865-5425.

Speaker set for lecture series

Dr. Peter M. Rentzepis, head of the Physical and Inorganic Chemistry Research Department at Bell Telephone Laboratories, will present the 1981-82 series of Whitmore Lectures on Nov. 2, 3, 4, and 5.

His talks are entitled, "Picosecond Spectroscopy," "The Dynamics of Chemical Reactions," "Electron Transfer," and "Proton Transfer." All will be held in 333 Whitmore Laboratory. The Nov. 2 lecture will be given at 8 p.m., the others at 11 a.m.

In addition to his post at Bell Labs, Dr. Rentzepis is an adjunct professor of chemistry and biophysics at Yale University and adjunct professor of chemistry at the University of Pennsylvania.

He is the creator of the field of picosecond spectroscopy where he uses ultra-short laser pulses to supply picosecond bursts of energy and advanced detection systems to study very short-lived first events of key chemical and biological reactions. He has used this technique to explore problems in energy transfer, spectroscopy, photochemistry, and chemical kinetics among others.

Dr. Rentzepis will receive the Peter Debye Award in Physical Chemistry at the March, 1982, national meeting of the American Chemical Society. He also has been honored with the Langmuir Prize in Chemical Physics in 1973 and the A. Cressy Morrison Award of the New York Academy of Sciences in 1978. A member of the U.S. National Academy of Sciences, he was honored in 1980 with the Leadership in Science and Education award of the Greek National Academy.

Born in Greece, Dr. Rentzepis was naturalized as a U.S. citizen in 1965. He earned his Ph.D. degree at Cambridge University in 1963 and joined Bell Labs the same year. Currently, he has about 175 publications and more than 30 patents to his credit.

The Whitmore Lecture series was established in 1976 to honor the late Frank C. Whitmore, distinguished chemist and dean of the School of Chemistry and Physics, forerunner of the College of Science.

Conversion Council studies renumbering

The Calendar Conversion Council has appointed a committee to explore the issue of course renumbering. The committee is to either make a renumbering proposal or recommend that the issue be dropped.

The Council, at its Oct. 8 meeting, heard a report from the Faculty Contracts Committee which is continuing to explore options on a contract system that would apply to faculty hired after a new system was put in place. It was reported that the committee is not considering any proposal for conversion of faculty currently on a contract other than 'M' to the 'M' contract or its equivalent.

The Council also heard a report from the Standing Summer Session Committee whose subcommittees are considering the academic and programmatic objectives of the new summer session, budgetary and fiscal questions, and the administration and management of the session.

In other business, Council:

— Received recommendations from Chairman Bartoo for a General Education Task Force and for some flexibility in baccalaureate degree requirements in conjunction with the calendar conversion. The recommendations are to be discussed at the Council's Nov. 5 meeting.

— Heard a report from the Class Schedule Committee on the Block 45 class schedule which will be featured in detail in an upcoming edition of INTERCOM.

Ceramics show set at Museum

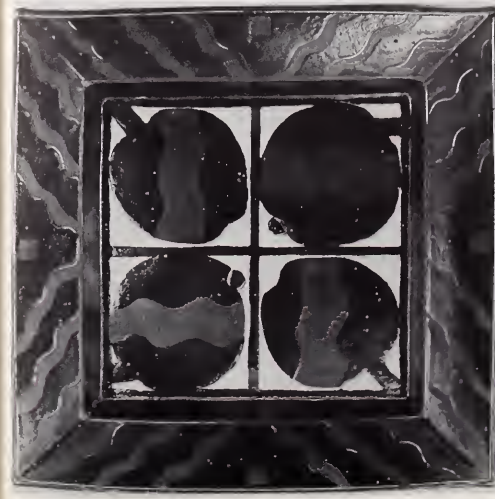
The exhibit, "Danish Ceramic Design," will continue on display at the Museum of Art through Jan. 24.

Denmark, a small country with many fine studio potters, is represented in the exhibit by some of its best recent work. Included are many internationally known masters of Danish modern design: Gertrud Vasegaard, Lisbeth Munch-Petersen, Gudrun Medom Boech, Richard Kjaergaard, and Edith Sonne Bruun.

The work of potters little known outside of Scandinavia also is included as are examples of country potters mainly concerned with the production of domestic wares.

The consistent high quality of design of these pieces, whether from the hands of world-class potters or from potters concerned with objects for everyday use, has been a focus in the selection of the exhibition. Decorative quality too, from plain glazes to complex patterns and textures, is explored for its integration to form.

The Museum's own fine collection of ceramics led to the interest in the exhibition. Following the show's closing, a selection of works will travel to the Currier Gallery of Art, Manchester, N.H.; Davis & Langdale Galleries, New York, and the University of Minnesota at Minneapolis.



This porcellaneous stoneware is in the "Danish Ceramic Design" exhibit



Roy Vollmer's "Housetemples I," recently exhibited at Yale University

Architecture entries

Roy Vollmer designs selected for display in major exhibits

Several designs by Roy Vollmer, associate professor of architecture, have been selected for display in two major national exhibitions.

Mr. Vollmer's entry in the Vietnam Veterans Memorial Design Competition will be on exhibition at the Octagon House in Washington, D.C., during November and December. His design, "Housetemples," was one of six projects in an exhibition entitled "An Ideology for Making Architecture" on display at the Yale School of Architecture in New Haven through Oct. 22.

Mr. Vollmer's entry in the design competition is one of 46 meritorious designs to be selected, along with 18 award winners, for permanent exhibition by the Vietnam Veterans Memorial Fund. Plans are underway for the exhibition to travel to other cities after it leaves the Octagon House.

The Vietnam Veterans Memorial Fund, a non-profit organization based in Washington, was formed in 1979 with the purpose of establishing a national memorial in Washington to honor American veterans of the Vietnam War.

In all, 1,421 designs were submitted to the Fund's competition, making it the largest competition for an actual project in United States history. The winning design, submitted by Maya Ying Lin, an architecture student at Yale University, will be located in Constitution Gardens near the Lincoln Memorial.

Mr. Vollmer describes his entry as follows: "The memorial is placed on axial alignment commemorating the sunset

anniversary date for withdrawal of U.S. combat units. The memorial form and axiality is reminiscent of ancient burial mounds depicting the rising and setting of the sun, nature's life cycle. The linear and axial concept of the memorial expresses repetition and eternal duration.

"The structure consists of a base four hundred feet long out of which rise 30 white marble-faced slabs, on which the names of the dead and missing are inscribed; approximately 1,000 names on each facade. At night, the slabs may be lighted from recessed troughs giving the whole assembly a luminous presence and spiritual quality."

"Housetemples" and the other five projects in the Yale exhibition reflected some of the architectural themes of the late Louis I. Kahn. Mr. Vollmer studied under Mr. Kahn when he was working on his master's degree in architecture at the University of Pennsylvania's Graduate School of Fine Arts. He also worked in the architectural offices of Louis I. Kahn, Philadelphia and Dacca.

Concerning his design, Mr. Vollmer says: "The Housetemples Series of drawings and models is a work about origins and evolution in making architecture. It is a pedagogical exercise making allusive reference to the primitive hut evolving into its idealized form, the temple. The didactic nature of this work, concerning the generation of form, illustrates fundamental principles about the division of space and combining of building elements."

Pilobolus Dance Theatre will give performances in Eisenhower

The Artists Series will present Pilobolus Dance Theatre on Friday, Nov. 6, and Saturday, Nov. 7, at 8:30 p.m. in Eisenhower Auditorium. The Friday evening performance is part of the Theatre/Dance Series and is sold out by subscription. The Saturday evening performance, which will consist of a different program, is a Performing Arts event.

The 1981/82 performing season marks the tenth anniversary of Pilobolus Dance Theatre. The Company was founded by Moses Pendleton and Jonathan Wolken, who had met in a dance class given by Alison Chase while they were undergraduates at Dartmouth College. They were soon joined by Robby Barnett and Lee Harris, also former students of Ms. Chase. Within a year of its founding, Pilobolus had evolved into a completely self-sufficient organization — its programs choreographed, danced, managed, and publicized by the four men.

Within two years of its founding, Alison Chase and Martha Clarke joined Pilobolus. Michael Tracy replaced Lee Harris in 1974 and since 1978 the Company has been expanded to ten dancers. (Martha Clarke left the Company in 1978.) Pilobolus is based in Washington, Conn., where most of the members make their homes.

Pilobolus takes its name from a genus of phototropic fungi. This unusual and creative group of artists is known for its energy, originality, and humor, and for its unusual way of working. Pilobolus choreographs most of its pieces collectively, without an artistic director. This collaborative process has proved to be the creative mainspring of the group.

Pilobolus received the Scotsman Award in 1973 for performances at the Edinburgh Festival, the Berlin Critic's Prize in 1975, the New England Theatre Conference Prize in 1977, and the Award for Excellence in the Arts by the Connecticut Commission on the Arts in 1981. The Company has been the recipient of numerous commissions from the

American Dance Festival, and members of the Pilobolus have choreographed new works for other major dance companies, both in the United States and in Europe. In 1980 the Company was commissioned by the Fine Arts Committee of the 1980 Winter Olympics to choreograph and perform a new work at the Olympics, in Lake Placid, New York.

Television credits for the Company

includes segments for "Sesame Street," and in 1977 and 1980 PBS devoted hour-long "Dance in America" programs to Pilobolus. Other television work consists of features for the French, Danish, Canadian, and Bangladeshi national networks. They have toured extensively in the United States and Europe, and in Canada, Mexico, Central and South America, Scandinavia, the

Mid-East and Japan. The United States State Department has sponsored the Company in Portugal, Turkey, Afghanistan, Spain, and the Indian subcontinent.

Tickets for the Saturday evening performance will be on sale at the Eisenhower Auditorium box office, 9:00 a.m. to 4:00 p.m., beginning Tuesday, Nov. 3.



Pilobolus Dance Theatre will perform in Eisenhower

University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

October 29- November 8

Special Events

Thursday, Oct. 29

URTC, Williams, *The Glass Menagerie*, 8 p.m., Pavilion Theatre.

Friday, Oct. 30

Helen Eakin Eisenhower Chapel 25th Anniversary Celebration, 11 a.m., All-Faith Chapel. Craft Demonstration, 11:30 a.m., Kern Lobby Commonsplace Theatre, *Love and Death*, 7 and 9 p.m., Room 112 Kern. Cinematheque Film, *Alien*, 7 and 9:15 p.m., Room 10 Sparks Bldg. Interludia Folk Dancing, 7:30 p.m., HUB Ballroom.

URTC, Williams, *The Glass Menagerie*, 8 p.m., Pavilion Theatre.

CSA Coffeehouse, 8 p.m., Room 102 Kern. Artists Series, Gregory Allen, pianist, 8:30 p.m., Schwab Auditorium.

Sports: soccer vs. Fairleigh Dickinson, 7:15 p.m.; Women's volleyball, Penn State Classic.

Saturday, Oct. 31

Chinese Student Association film, 1:30 p.m., Room 112 Kern.

CSA, Halloween Party, 6:30 p.m., Rooms 101, 102, 104 and Lobby, Kern Bldg.

France-Cinema, Bergman, *Wild Strawberries*, 7 and 9 p.m., Room 112 Kern.

Cinematheque Film, *Alien*, 7 and 9:15 p.m., Room 10 Sparks Bldg.

URTC, Williams, *The Glass Menagerie*, 8 p.m., Pavilion Theatre.

Sunday, Nov. 1

Commonsplace Theatre, *Love and Death*, 7 and 9 p.m., Room 112 Kern.

Monday, Nov. 2

Late drop deadline.

Last day to sign Fall Term NDSL and University Long Term Loans, Room 108 Shields.

Campus Colleagues meeting, 4:30-6:30 p.m.; Nittany Lion Inn. Panelists will discuss general election.

France-Cinema, Bergman, *Wild Strawberries*, 7 and 9 p.m., Room 112 Kern.

Tuesday, Nov. 3

Shaver's Creek Environmental Center, Hawk Mountain Trip, 6 a.m.-7 p.m. Registration, 8:05-1851.

URTC, Williams, *The Glass Menagerie*, 8 p.m., Pavilion Theatre.

Wednesday, Nov. 4

Commons Concert, Chris Lee, noon, Kern Lobby.

Alard String Quartet, 8 p.m., Music Bldg. Recital Hall.

URTC, Williams, *The Glass Menagerie*, 8 p.m., Pavilion Theatre.

Thursday, Nov. 5

Poetry Reading by Sidney Lea, author of *Searching the Drained Man* and editor of the *New England Review*, 3:30 p.m.; Rare Books Room, Pattee Library. Sponsored by the English Department and the Institute for the Arts and Humanistic Studies.

Commons Film Series, *Myra Breckinridge*, 7 and 9 p.m., Room 112 Kern.

URTC, Williams, *The Glass Menagerie*, 8 p.m., Pavilion Theatre.

Friday, Nov. 6

Cinematheque Film, *Shampoo*, 7 and 9 p.m., Room 10 Sparks Bldg.

Commonsplace Theatre, *Apocalypse Now*, 7 and 9:30 p.m., Room 112 Kern.

Interludia Folk Dancing, 7:30 p.m., HUB Ballroom.

CSA Coffeehouse, 8 p.m., Room 102 Kern.

URTC, Williams, *The Glass Menagerie*, 8 p.m., Pavilion Theatre.

Artists Series, Pilobolus Dance Theatre, 8:30 p.m., Eisenhower Auditorium.

Sports: JV football vs. Indiana (PA), 2 p.m.; soccer vs. Connecticut, 7:15 p.m.; men's swimming, Penn State Invitational; women's swimming, Penn State Invitational; women's fencing, Penn State Open, 9 a.m.; ice hockey vs. Uppsala, 9:15 p.m.

Saturday, Nov. 7

Shaver's Creek Environmental Center, Hawk Mountain Trip, 6 a.m.-7 p.m. Registration, 8:05-1851.

France-Cinema, Truffaut, *Bed and Board*, 7 and 9 p.m., Room 112 Kern.

Cinematheque Film, *Shampoo*, 7 and 9 p.m., Room 10 Sparks Bldg.

URTC, Williams, *The Glass Menagerie*, 8 p.m., Pavilion Theatre.



Happy Halloween!

Sports: men's swimming, Penn State Invitational; ice hockey vs. Uppsala, 8 p.m.

Sunday, Nov. 8

Shaver's Creek Environmental Center, Moss Hanna Trail Hike, Black Moshannon State Park, 10 a.m.-6 p.m. Registration, 8:05-1851. Commonsplace Theatre, *Apocalypse Now*, 7 and 9:30 p.m., Room 112 Kern.

Sports: women's cross country, NCAA Regional Qualifier, 1 p.m.

Seminars

Thursday, Oct. 29

Ceramic Science 500 Seminar Series, 11 a.m., Room 301 Steidle Bldg. Dr. T.M. Besman, Oak Ridge National Lab, on "Thermodynamic Measurements of Oxycarbide Nuclear Fuel Materials."

Analytical Chemistry Seminar, 11 a.m., Room 333 Whitmore Lab. Dr. Robert DeVliege, Georgetown University, on "AC Methods in Electrochemistry."

Anthropology Colloquium, 3:30 p.m., Room 107 Carpenter Bldg. Ellen Woolford, assistant professor of anthropology and linguistics, on "Generating the Set of Possible Human Kin Term Systems."

Aesthetics, Literary Criticism and Interpretation Theory Seminar, 3:45 p.m., Gilpin Room, Nittany Lion Inn. Brent Wilson, Art Education, on "The Genesis of Aesthetic Response and Artistic Style: Puzzles and Prospects."

Physics Colloquium, 3:30 p.m., Room 117 Osmond Lab. S. Fleming, University Museum, University of PA, on "Physical Science Techniques Applied to Art."

Fuel Science Seminar, 4 p.m., Room 301 Steidle Bldg. Dr. Leon Petrakis, Gulf Research and Development Co., on "ESR Studies on Coal."

Bioengineering/Nuclear Engineering Seminar, 4 p.m., Room 206 Hammond Bldg. Alan Jacobs, head, nuclear engineering department, University of Florida, on "NMR Imaging."

Friday, Oct. 30

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker Bldg. Lakshman Yapa, associate professor of geography, on "The Vulnerability of American Agriculture and What Some People Are Doing About It."

Monday, Nov. 2

Entomology Seminar, 4 p.m., Room 204 Patter-

son Bldg. Ms. Sherie Coolidge, Chevron Chemical Company, on "Training as an Entomologist for a Career in the Chemical Industry."

MC3B Seminar, 4 p.m., Room 101 Althouse Lab. Dr. Donald S. Berns, director, Physical Chemistry Laboratories, The Governor Nelson A. Rockefeller Empire State Plaza, on "Phycocyanin Structure and Function."

Tuesday, Nov. 3

Office of Religious Affairs, "Forum on Faith," 12:30-2 p.m., Main Lounge, HUB. Dr. Rustum Roy, Evan Pugh professor of the solid state and geochemistry, on "Strengthening Your Faith Through Insights from Science. Bring a bag lunch."

Economics Seminar, 3 p.m., Room 101 Kern Bldg. Robert E. Weintraub, senior economist, Joint Economic Committee, on "Deficit Spending and Inflation."

MC3B Seminar, 4 p.m., Room 101 Althouse Lab. Dr. Donald S. Berns, director, Physical Chemistry Laboratories, The Governor Nelson A. Rockefeller Empire State Plaza, on "Chlorophyll Containing Photosensitive Membranes as Model Systems."

Genetics Seminar, 4 p.m., Room 111 Animal Industries Bldg. Dr. W.D. Taylor, professor of biophysics.

Thursday, Nov. 5

Ceramic Science 500 Seminar Series, 11 a.m., Room 301 Steidle Bldg. Dr. H.P. Kirchner, Ceramic Finishing, on "Surface Preparation and Properties."

Philo Bldg. Professor Robert L. Folk, Dept. of Geological Sciences, University of Texas, on "Italian Radiolarian Cherts and Opals: Pentidol or Abyssal?"

Physics Colloquium, 3:30 p.m., Room 117 Osmond Lab. P. Mohr, Yale University, on "Lamb Shift in High Z Atoms."

1981 Taylor Lecture in Materials Science, 4 p.m., Room 26 Mineral Sciences Bldg. Dr. Irving Wender, fuel scientist and research professor, University of Pittsburgh, on "Our Energy Outlook through 2000."

Philosophy Colloquium, 4 p.m., Room 220 Willard Bldg. Albert C. Tsingaris, Dept. of Philosophy, on "Truth and Fiction."

Engineering Science and Mechanics Seminar, 4 p.m., Room 214 Hammond Bldg. Dr. P. Keating, Bendix Advanced Technical Center, Columbia, MD, on "Piezoelectricity at the Atomic Level."

Special Acoustics Seminar, 4 p.m., Room 73 Willard Bldg. Dr. Robert I. Hooker, senior lecturer, mechanical engineering, University

of Brisbane, Queensland, Australia, on "High Damping Metals."

Friday, Nov. 6

Geography Dept. Coffee Hour, 3:45 p.m., Room 319 Walker Bldg. Hans Panofsky, Evan Pugh professor of atmospheric science, on "The Ozone Layer."

Geosciences Colloquium, 3:45 p.m., Room 101 Kern Bldg. Professor Robert L. Folk, Dept. of Geological Sciences, University of Texas, on "Early Industrial Processes in Iron-Age Palestine: Iron Smelting and Glass Making."

1981 Taylor Lecture in Materials Science, 4 p.m., Room 112 Kern. Dr. Irving Wender, fuel scientist and research professor, University of Pittsburgh, on "Oil and Coal: Direct and Indirect Liquefaction Routes."

Exhibits

Kern Gallery: open Monday through Saturday, 8 a.m.-11 p.m.; Sunday, noon to 11 p.m. Jack Troy, ceramics; Shirley Sturtz, drawings and watercolor; Bill Davis, drawings and watercolor.

Museum of Art: open 11 a.m.-4:30 p.m. Closed Mondays. Tours, Sundays, 1:30 p.m. Oriental Works from the Museum's Collection. Danish Ceramic Design.

Pattee Library: A Commonwealth Campus Yesterday, Today and Tomorrow, opens Oct. 29, East Corridor Gallery. Cheryl King, drawings and paintings, opens Oct. 30, Lending Services Lobby. Seventy-one Percent of the World as Interpreted through Maps, Poetry, and Art, Second Floor East. Highlights from the Allison-Shelley Collection, through Oct. 30. Trade Union Memorabilia: An AFL-CIO Centennial Exhibition from the Collection of Edward Rosney, through Nov. 1. The Academy of St. Luke, Rome: Architectural Treatises and Perspective Books, opens Nov. 8. Rare Books Room.

Visual Arts Bldg. Zoller Gallery
Gallery Hours: 9 a.m.-5 p.m. Monday through Friday, Saturdays, and Sundays, noon-5 p.m. Tony Ray-Jones, photo exhibition, opens Nov. 1.

Inventions Gallery of Photography, 212 Arts Bldg.
Gallery Hours: Sunday and Tuesday, noon-5 p.m. Thursdays, 7-10 p.m. Virginia Behan, photography.

Penn Staters

Dr. Stephen J. Beckerman, assistant professor of anthropology, presented a paper, "Optimal Foraging with Food Sharing as a Resource Management Technique: The Bari," at the 50th annual meeting of the International Society for Tropical Ecology in Bhopal, India. Dr. Beckerman's presentation was made possible through a grant from the Smithsonian Office of Fellowships and Grants.

Dr. G. P. Patil, professor of mathematical statistics, has been chosen to participate in the 1981-82 Visiting Lecture Program in Statistics sponsored by the Committee of Presidents of Statistical Societies which includes the American Statistical Association, Institute of Mathematical Statistics and Biometric Society. Dr. Patil is one of ten specialists selected to lecture

on statistical ecology and distribution theory.

Earlier this month, Dr. Patil presented an invited colloquium at the Biostatistics Department of Harvard University. He discussed "Multimodal Modeling and Analysis of Ecological Data on Abundance and Recruitment."

Dr. David L. Pearson, associate professor of biology, presented invited lectures at four South American universities. He discussed his research on insect community structure in deserts and tropical lowland forests at Universidad Mayor San Antonio in Cusco, Peru; Universidad Mayor San Marcos and Universidad Cayetano Heredia, Lima, Peru; and Universidad Catolica, Quito, Ecuador.

Dr. Robert A. Schlegel, assistant professor of molecular and cell biology, presented an invited paper at the International Titisee Conference on Fusion and Implantation in Biological Membranes in Titisee, Germany. The paper was entitled, "Diffusion of Membrane and Cytoplasmic Macromolecules Introduced into Mammalian Cells by Lectin-enhanced PEG-induced Fusion with Erythrocytes."

The late **John C. Snowdon** has been posthumously named a Fellow of the American Society of Mechanical Engineers. The Fellow grade is conferred upon a member who has had at least ten years active engineering practice and who has contributed significantly to the field of engineering.

From 1961 until his death July 9, 1980, Dr. Snowdon was professor of engineering research at the Applied Research Laboratory. In this capacity he served as a principal investigator on U.S. Naval contracts and guided graduate students in the field of shock and vibration.

Prior to joining ARL, Dr. Snowdon worked in the field of shock and vibration at the Philco Corporation, the University of Michigan Research Institute and Hawker Siddeley Aviation Ltd, England. He pioneered in the realistic analytical treatment of the dynamic properties of rubber-like materials and of structural damping.

Promotions

Staff Exempt

Donna J. Lucidi to assistant extension agent in Agriculture.
Rebecca L. Peplinski to administrative assistant in Agriculture.
Nancy J. Sheal to medical social worker I at Hershey.

Staff Non-Exempt

Susan M. Bедger to neurophysiology technician at Hershey.
Joan B. McGwire to senior research technician at Hershey.

Clerical

Carol M. Stickell to secretary B in Earth and Mineral Sciences.

Technical Service

Leon Fetterolf to electronics technician A in Engineering.
Mary Joan Mitchell to food preparer B at Altoona.
Paul Petyak to storekeeper in Earth and Mineral Sciences.
Arthur R. Rhoades to laborer-helper utilities piping in Physical Plant.
Hannah E. Wheeler to laboratory attendant A at Hershey.
Stephen M. Yambor to building maintenance worker in Student Affairs.

Obituary

Dr. Joseph F. Krawiec, associate professor of clothing and textiles who retired in 1969 after 31 years of service, died Oct. 18. He was 72.

Dr. Krawiec received B.S. and M.S. degrees at the University and in 1936 was named an instructor in textile chemistry, in charge of developing a new statewide institutional laundry program.

From 1950 to 1952 he was employed by

the U.S. Air Force, to establish a laundry and dry cleaning branch of the Air Materiel Command. He also was consultant for Air Force base laundries and dry cleaning plants throughout the world.

On his return to Penn State, he again assumed charge of the institutional laundry program in the College of Human Development. In 1954 he received a doctoral degree in education and chemistry from Penn State.

Bookshelf

Dr. Wendell V. Harris, professor and head of the Department of English, is the author of *The Omnipresent Debate: Empiricism and Transcendentalism in Nineteenth-Century English Prose*, a 300-page book published by Northern Illinois University Press.

In the nineteenth century, philosophical speculation fell into a sustained conflict between the empiricists and the transcendentalists. Dr. Harris analyzes the tenets and implications of the conflicting philosophic orientations and shows how they informed the intellectual life of the time.

Taking as prototypes Coleridge and James Mill, Dr. Harris explores the philosophic implications of the two great modes of thought as they extend into such practical issues as theories of mind, government, religion, morality, education and aesthetics. On specific issues, the implications of empiricism and of transcendentalism are shown to be more tightly argued than the general rubrics for the philosophic stances might suggest. The study explores the ramifications of the two views in the writing of Beethoven, Carlyle, John Stuart Mill, Southey, Ruskin, Arnold, E.S. Dallas, Vernon Lee, Oscar Wilde and others.

The Omnipresent Debate is the first major study to focus on these central philosophic attitudes and to trace the depth and breadth of their expression in nineteenth-century prose. Establishing correlations between metaphysics and social doctrines, it provides valuable insights into the rich variety of the century. It concludes with an analysis of the dissolution of the conflict between the system-builders and the cloud-piercers as idealism gave way at the end of the century.

Dr. E. Willard Miller, professor of geography emeritus and associate dean for resident instruction emeritus in the College of Earth and Mineral Sciences, and **Ruby M. Miller**, former map librarian at Pattee, are the co-authors of a three-volume bibliography titled: "Africa: The Third World"; "Northern and Western Africa: A Bibliography on the Third World"; and "Tropical, Eastern and Southern Africa: A Bibliography on the Third World." The bibliographies, which contain more than 2,600 references dealing with the natural resources, economics, government, political relations and social aspects, provide a wide perspective of sources for the African specialist.

25-year chair

"I've enjoyed working at the University better than any place else. I've worked in industry, at four or five places, and there's just no comparison." And **Harold Shope**, mail distribution clerk in Mail Services, has the years of Penn State employment behind him to make that statement. Mr. Shope recently marked his 25 years of service with the University.

He began his career in 1956 working for General Stores delivering supplies to various departments around the University and "filling-in" at Mail Services. Around 1959, he became a mail delivery clerk for Mail Services where he was responsible for delivering mail on campus.

In his present position, Mr. Shope handles a variety of duties ranging from working with metered and nixie mail (incorrectly addressed mail sent to the University from the State College Post Office), handling postage due, insured and registered mail to keeping student, faculty and staff listings up-to-date. An average daily workload might include two large hampers, two to three trays of letters, six or eight bundles of 'flats' (magazines), about 30 packages and films.

Outside his busy job, Mr. Shope hunts, fishes, and rides a motorcycle. He's also a football and baseball fan, who either goes to a game or watches on television every chance he gets. Mr. Shope also belongs to

Dr. E-tu Zen Sun, professor of Chinese history, recently presented an invited paper on "Trends in Chinese Education in the 1911 Period" at the Conference on the 70th Anniversary of the 1911 Revolution, held in Wuhan, People's Republic of China.

Sponsored by the Chinese Historical Association in conjunction with the Chinese Academy of Social Sciences, the conference commemorated the Oct. 10, 1911, uprising led by Sun Yat-sen which ended the 2,000-year-old imperial system in China and established the Republic. The conference held additional activities in Peking and Canton.

Dr. John W. White, professor of floriculture, has won the "Blue Ribbon Award" from the American Society of Agriculture Engineers for his work in greenhouse energy research.

Dr. White was co-winner of the award for a booklet entitled "Greenhouse Energy Conservation, Penn State 1980," which he co-authored with Dr. Robert W. Aldrich, former faculty member who is head of the Agricultural Engineering Department at the University of Connecticut.

The booklet, which has been circulated all over the world, deals with various phases of greenhouse energy conservation and other alternative energy systems. It contains diagrams of energy saving systems and has examples from the field where professional greenhouses used those systems to cut their fuel bills.



Harold Shope

the Howard Fire Company.

Future plans for Mr. Shope include retirement. "I'm looking forward to retiring a year from now in November," he says.

However, his family, as Mr. Shope notes, will still be "pretty well represented on campus." His wife, Minnie, is a maid in East Falls and has worked for Penn State for 18 years. Their two children are University employees. Daughter Susan is a cook at Simmons Dining Hall and their son Kenneth works at the Applied Research Lab.

Mr. and Mrs. Shope are residents of Howard.

Retirements

Dr. Max D. Richards, professor of management, has retired with emeritus



Dr. Max D. Richards

rank after 25 years of service.

Dr. Richards came to the University in 1956 after serving on the faculties of the University of Wichita and the University of Illinois. He also worked as an industrial engineer for U.S. Steel Corporation.

Dr. Richards served as chairman of the Division of Organizational Behavior in the College of Business Administration from 1978 to 1979. He was assistant dean and director of graduate programs from 1967 to 1976. He headed the Division, and later, the Department of Management from 1960 to 1967.

He was awarded the Master of Business Administration program teaching award three times, the latest in 1980. In recent years, he was program director of Penn State's senior Executive Management Program and the Management of Managers Program.

A native of Nova, Ohio, he attended Miami University, Oxford, Ohio, and earned the master of business

(Continued on page 7)

Penn Staters

(Continued from page 6)

administration degree from Harvard. His doctorate was awarded by the University of Illinois.

Dr. Richards has been honored as an elected fellow of the Academy of Management and served as president of that organization in 1967. He also held many other offices within the Academy. He has been listed in *Who's Who in America*, *American Men of Science*, and the *Writer's Directory*, and holds memberships in the Order of Artus (economics honorary), Beta Gamma Sigma (business honorary), and Sigma Iota Epsilon (management honorary).

He is the author of seven books and monographs and numerous papers published in professional journals. Among his books are *Organizational Goal Structures*, published by West Publishing Co. in 1978 and *Readings in Management*, for which he was co-editor of four editions and sole editor of two editions published by Southwestern Publishing Co.

Dr. Richards and his wife, the former Ruth S. Nixon, have moved to Winter Springs, Fla. where he has accepted a position as distinguished professor of management at the Roy E. Crummer Graduate School of Business of Rollins College.

Earl G. Johnston, Dairy Herd Improvement Association (DHIA) records supervisor, retired Oct. 1 after 33 years of University service and 41 years of service to the DHIA.

Prior to coming to Penn State, he worked for the DHIA for five years on the county level in Westmoreland County and had served three years in the Army. Mr. Johnston, who attended Penn State from 1938 to 1941, was appointed to the University staff in 1948 as a district dairy agent, working with milk testing supervisors in the western part of the state. In 1953, he was promoted to assist in dairy husbandry Extension. Mr. Johnston

received his 25-year Service Award chair and certificate in 1973.

The DHIA program aids dairymen in improving their feeding, breeding and management practices. Records of milk production and feeding programs are collected by DHIA supervisors and are summarized by electronic computers.

Although Mr. Johnston has no definite retirement plans, the watch presented to him by the DHIA will help him keep track of his retirement time. In his spare hours, he likes to hunt deer and small game and collect coins, stamps and books on World War II. He belongs to the Grange, V.F.W., Centre County Coin Club, American Philatelic Society and American Numismatic Association.

Earl Johnston and his wife, Kathleen, reside in Pennsylvania Furnace.



Earl G. Johnston

Pearl L. Gurbal, dining hall worker in Housing and Food Services, retired Oct. 17. She had been a University employee since Nov. 24, 1969.

Joseph F. Leon, groundskeeper/landscape in Physical Plant, retired Oct. 2. He had been a University employee since Feb. 1, 1967.

Joseph Palometz, group leader and maintenance worker/utility at the Ogontz Campus, retired Oct. 2 after working for the University since 1971.

their being or having been assureds during this policy period."

Coverage is excluded for any loss arising out of any claim made against any assureds, or the college or university or any of them, based on or attributable to the rendering or failure to render any opinion, treatment, consultation or service if such opinion, treatment, consultation or service was rendered or failed to have been rendered while any person was (a) engaged in any activity for which such person received compensation from any source other than the college or university named in item A of the Declarations or (b) gratuitously engaged other than by specific direction of the college or university named in item A of the Declarations.

The Risk Management office has attempted to provide adequate liability insurance coverage for almost every conceivable exposure confronting the faculty member which can be indemnified through commercial insurance. The Office continually reviews these programs with the University's broker and liability insurance carriers in an effort to provide continuity of coverage.

Questions relating to the University's Liability Insurance Program should be presented to the Risk Management Office, 307 Shields Building, University Park, 865-6307.

New VADD booklet will be distributed

Faculty and staff members who participate in the Voluntary Accidental Death and Dismemberment (VADD) program will receive a new booklet/certificate which describes the program in detail, including the new provisions and lower rates which go into effect on Nov. 1, 1981. The



Equilibrium, consisting of Nancy and Michael Udow, will present its first campus concert tonight.

Duo plans first campus concert

An evening of dance and percussion will be presented by Equilibrium, the duo of Nancy and Michael Udow, at 8:30 tonight in the Music Bldg. recital hall.

The program will consist of a collection of collaboratively composed works. The Udows will perform one of their own works, "Figures," describing it as a piece in which "the character images are vehicles for exploring the rhythmic content of movement, the movement aspect of percussion and the varieties of ensemble between the two media."

Three solo percussion works by Herbert Brann, "Stalks and Trees and Drops and Clouds," "Touch and Go" and "Plot for Percussion" will be included in Equilibrium's program. For these pieces, Dr. Udow will be utilizing the Iliac Computer, the Cal Comp Plotter and the Timbrack, a four "octave" multiple percussion console he designed and built with the aid of a grant from England's Premier Drum Company, Ltd.

Equilibrium will perform "The Moral of

the Story. . . ." by Nancy Udow and Michael Kowalski, a composer-pianist and computer systems designer. The composition uses texts from Grimm's Fairy Tales and the German translation of Beatrix Potter's "Peter Rabbit."

In "666 Scanning," a piece based on a drawing "6x6" by artist Chris Watts, the percussionist interprets Arabic numbers on a grid in the painting, constructing six horizontal, vertical and/or diagonal readings and arranging them in a time sequence.

Ms. Udow, who has been an instructor of dance at the University of Rochester and Dartington College of the Arts in England, currently is involved in the study of sign language and dance instruction for the hearing impaired. Dr. Udow, who teaches percussion in the School of Music, joined the faculty in September as an assistant professor.

The School of Music is sponsoring the performance, which is free and open to the public.

Faculty/Staff Alerts

University outlines insurance provisions

Following is a brief description of the insurance provisions contained in the three major liability insurance programs provided by the University which include all faculty and staff as additional insureds while the individual is acting within the scope of his or her University duties:

General Liability: Provides protection for all bodily injury and property damage claims at all locations and for any operations the University is involved in subject to the listed exclusions. The faculty member benefits from this coverage in the classroom, the lab, on field trips, on contracts; for libel, slander, or for other defamatory or disparaging material, violations of an individual's right of privacy.

Umbrella Liability: Adds additional limits over the basic liability policies such as general liability, fleet liability, employer's liability and broadcasters liability. The coverage provides additional protection for those areas not covered by the primary policies. The same principles apply as in the general liability program as to scope of employment, etc.

Directors & Officers Insurance: Coverage for wrongful acts as defined: "Wrongful Act shall mean any actual or alleged errors or misstatement or misleading statement or act or omission or neglect or breach of duty by the assureds in the discharge of their duties, individually or collectively, or any matter claimed against them solely by reason of

booklets will be mailed in mid-November.

In the event that a faculty or staff member who participates in the program does not receive the new document, he or she may obtain one from the Employee Benefits Division, 133 Willard Building, 865-1473.

Employee pool sought for research projects

The University annually receives grants for projects designed to fulfill specific research responsibilities.

Often the research grant or project is of relatively short or temporary duration. In most instances, University project administrators must react quickly in making selections of support staff personnel for their projects. Therefore, it is desirable to have an available pool of faculty and staff members who are interested in applying for such research support positions.

This announcement is made so that

qualified individuals may make their interests known. The types of temporary research support staff positions typically available are: Senior Project Associate, Project Associate, Project Assistant, Senior Research Technologist, Research Technologist and Research Technician.

The types of discipline backgrounds required vary depending on the projects involved. They may include physics, engineering, agriculture, mathematics, chemistry, but are not limited to these areas.

If you apply, your name will be placed in the pool of candidates that will be considered as such opportunities arise. An announcement similar to this will be made each six months.

If you feel that you are interested in and have background related to typical University research projects, you may apply now or in the future for such temporary research support staff positions by calling the University's Employment Div., 865-1387 (network 475-1387).

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Nov. 5, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PF-3) and in compliance with the University's Affirmative

Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

SUPERVISOR, HISTOCOMPATIBILITY LAB, COLLEGE OF MEDICINE, HERSHY Responsible to the manager of the Clinical Laboratories for efficient operation of section within constraints of budgets, staffing, space and equipment. Also, responsible to the director of the Clinical Laboratories (and/or her designee) as outlined by applicable Federal and State rules and regulations for the selection of testing methods, quality control, normal ranges and other technical direction. Bachelor of Science degree, or equivalent, in medical technology plus three (3) years of effective experience in clinical immunology.

English research

(Continued from page 1)

performed play 1660-1710, I had to run down those plays never published but still extant in unique handwritten manuscripts — and teach myself to read the relevant hands. Along the way I found and edited with friends manuscripts of two supposedly "lost" plays, only the second and third such discoveries for this period in the twentieth century. Pursuit of dates for plays took me into the London Public Record Office where bills for royal attendance are preserved, and where I soon discovered that 50 years of research by numerous scholars had by no means exhausted the pay dirt in those chaotic and miserably handwritten records.

So much new material turned up that with a friend at the University of Iowa I was invited to prepare new, vastly expanded editions of the first two parts of *The London Stage* (expanding 2,000 pages of material into perhaps 3,000). In 1976 this seemed like 10 years' work (I now think 20 more realistic), and we set to work.

We are looking for letters, diaries, poems, account books — anything printed or handwritten that will yield new information about performance dates, actors, theatre practices, company finances, audience response. Most of the actual theatre records are lost (wooden theatres burn down), but a considerable amount of detailed information about finances and personnel can be quarried out of lawsuit testimony preserved at the Public Record Office.

Unfortunately, the Chancery lawsuit records are massive, chaotic, and largely uncatalogued. One must also remember that most of the litigants are confused, or lying, or both.

Not two months into the project, we were invited to edit a Manuscript Collection at Harvard from the years 1706-1715 that concerns Vanbrugh's opening of the first Italian opera house in London — a treasure trove of unpublished information including box office reports, orchestra rosters, contracts, angry protests in fractured French by Italian castrati, costume and sundry bills, government orders regulating the theatre, and so forth.

Delight was followed by consternation: Harvard was unaware that it possessed only part of the collection, which had been broken up at auction in 1876. In five years of systematic searching we gradually reconstructed the original collection, finding pieces in ones and twos in libraries and private collections from London to California. The resulting book, *Vice Chamberlain Coke's Theatrical Papers*, will be published this winter — the richest single find of English theatrical manuscripts since the 1920s.

I started out primarily interested in plays as literary texts. Inevitably, I began to see them in terms of the particular actors who mounted them and the particular buildings in which they were first performed. Searching records for dates and information about personnel and finances turned up information about the theatre buildings, and I found myself writing articles about the height and width of proscenium arches, the depth of forestages, the theatres' capacities and scenic resources.

This further changed my view of the plays, and I am now at work on a collaborative book analyzing a number of plays from the vantage point of actual performance, then and now. What were the physical staging capacities of the original theatres? Where did the actors enter and exit, and what did the audience see, stage direction by stage direction? What can we learn by studying other known roles of the original performers? What different meanings — "valid" within the limits of the text — can be achieved by directorial choices?

I have come full circle. Starting as a literary critic, I made myself into a documentary theatre historian, only to discover that I was led back to criticism armed with a new perspective and a whole



Dr. Philip Keeney, head of the Food Science Department, points to the new black cherry ice cream, "Cherry-Quist," created in honor of Dr. John O. Almqvist, professor of dairy physiology, who samples the first cone.

Ice cream named for Almqvist

For years, John Almqvist has been going to the Penn State Creamery to buy his favorite black cherry ice cream. Dr. Almqvist likes the ice cream so much that Phil Keeney, head of food science, often calls him when the ice cream is available. Last week the ice cream was the same, except for the name — "Cherry-Quist." "Cherry-Quist" is the creation of Dr. Keeney in honor of Dr. Almqvist being named a 1981 Wolf Foundation Award recipient. The honor, one of the highest ever awarded a Penn State professor, has been called the "Nobel Prize for Agriculture."

"It all came about naturally," says Dr. Keeney. In a congratulatory memo to Dr. Almqvist, Dr. Keeney wrote, "What does it say about all of us when it takes someone from afar to uncover an asset that has been lingering here for decades?"

He added that he "would crank out a

special cherry ice cream, the J.O. Almqvist Commemorative Ice Cream."

Word of the idea spread and a small contest ensued to name the new ice cream. Dr. Keeney's suggestion was ruled out because it was too long to fit on a rubber stamp. Other ideas included "JOA Special," "Almqvist Delight," "Bull Cherry," and "John's Special."

"Cherry-Quist" won because of its originality.

With the media there to record the event Dr. Almqvist was presented the first "Cherry-Quist" cone.

In March, 1982, he will travel to Israel to accept the Wolf Foundation Prize before the Israeli Parliament, the Knesset.

The award carries with it a prize of \$100,000 which Dr. Almqvist will share with two other Americans. Dr. Almqvist is being honored for his pioneering research in artificial insemination.

Publications Office receives design awards

Four publications produced by the Department of Publications have been cited by University and College Designers' Association for their excellence.

Winners in the association's annual nationwide contest are: All That Is Glorious Around Us, a catalog for the

Museum of Art, designed by Rick Villastrigo; Hemline, Neckline, Streamline, also for the Museum, designed by Gretl Magadini; Bioengineering, a recruitment brochure, and Pennanna, an inaugural booklet, both designed by Larry Krezo with photographs by James Collins.

Bioengineering won a silver medal and the three others received awards of merit.

new set of interpretive techniques. I had never intended to give up criticism but no more would I now wish to give up historical research.

There is a special fascination to dealing with fact, and there is no excitement quite like unearthing a handwritten copy of a play believed lost, or a manuscript which fills in some blank in our knowledge of the theatres and the way they operated. I never open even a printed book from the period without hoping for a discovery. Just last winter one of my graduate students found a previously unknown eighteenth-century cast for Vanbrugh's

The Mistake handwritten into a copy of the play in the Pattee Rare Book Room.

This sort of scholarship has its frustrations. The material is scrappy, hard to find, hard to read, and often impossible to see any immediate use for. But in 10 years I have seen our factual knowledge of the Restoration theatre expand in a fashion no one dreamed possible, and I am convinced that many more discoveries are still to come. When I was in graduate school in the late 1960s, I was told that the Restoration theatre history was worked dry. Not quite.

Renaissance dinner to honor Roy Wilkinson

Justice Roy Wilkinson Jr., long active in civic and humanitarian concerns, will be honored at the fifth annual Renaissance dinner Wednesday, Nov. 18. The event will benefit Penn State's Renaissance Fund, which provides scholarship aid for "the brightest among the neediest" of the University's students.

"Roy Wilkinson is a truly outstanding human being," former Pennsylvania Governor Raymond P. Shafer, who has been active in previous Renaissance dinners, said recently. "He has brought, and brings, intelligence and integrity to his every undertaking and to every aspect of his outstanding career, as a lawyer, an original judge on the Commonwealth Court and now justice of the Pennsylvania Supreme Court. I am proud that we are friends."

Gov. Shafer, in 1970, selected Justice Wilkinson to serve on Pennsylvania's Commonwealth Court, then being created to assist the state's Superior and Supreme courts. Last year, Gov. Thornburgh appointed him to the state's Supreme Court, filling the vacancy created by the retirement of Chief Justice Michael J. Eagen.

The Renaissance program, over the past 11 years, has raised almost half-a-million dollars for needy scholars in medicine, science, art, business and other fields. The fund aids some 100 students each year.

The scholarships — \$750 per student per year — go to young people who have shown intellectual promise but who lack the financial resources to pay for their own education. According to organizers of the dinner, Justice Wilkinson is being honored, in part, for his many contributions to young people.

Born in Philipsburg, he went to school in Bellefonte and was a 1936 graduate of Penn State. He graduated cum laude from the University of Pennsylvania Law School, where he distinguished himself as editor of the law review. For 24 years, Justice Wilkinson, in law partnership with John C. Love in Bellefonte, provided legal counsel to Penn State. The first president of the Pennsylvania Council on Crime and Delinquency, he has served on many committees — and the board of governors — of the state Bar Association. He was president of the Centre County Bar.

For 16 years, Justice Wilkinson was a member of the Pennsylvania State Board of Law Examiners. He has also served on the state's Crime and Education Television commissions and was the first chairman of the State Horse Racing Commission. In 1971, he received the Distinguished Alumnus Award from Penn State.

Previous Renaissance Fund dinners have honored former State College Mayor Jo Hays; Dr. John H. Light of State College; W.K. Ulerich of Clearfield, and former Penn State President Dr. Eric A. Walker.

The Nov. 18 banquet at the Nittany Lion Inn will begin with a cash bar at 6 p.m., followed by dinner at 7 p.m. Tickets cost \$16 per person.

Donations for the Renaissance Fund (which are not required to attend the event) may be made in the following categories: contributor, \$50; associate, \$100; patron, \$200; sponsor, \$500; and angel, \$1,000.

Contributions or requests for tickets may be sent to Mimi Ungar Coppersmith, P.O. Box 77, State College, Pa. Checks should be made payable to the Penn State Renaissance Fund.

Chapel seating limited

Because of limited seating, attendance at the Eisenhower Chapel 25th anniversary observance on Friday, Oct. 30, is by invitation.

Others wishing to attend the ceremony may contact the Office of Religious Affairs, 865-6548.

Penn State Intercom

President decides not to enact recommendation on 'dean's veto'

President Oswald has decided not to enact the Faculty Senate's recommendation to discontinue the so-called "dean's veto" in promotion and tenure decisions.

His decision, based on input from a variety of sources, was made known in a letter to Dr. Nancy M. Tischler, chairman of the Faculty Senate.

On Oct. 6, in a close vote, the Senate agreed to recommend a change in the dean's veto section of PS-23, the University's policy document on promotion and tenure.

The first part of the committee's recommendation to Dr. Oswald focused on promotion and tenure review at the college level, while the second focused on the issue at the Commonwealth Campuses. The recommendation, with

changes or additions to the present policy indicated in *italics*, was as follows:

"... in all cases where a dean makes a negative tenure or promotion decision and where all recommendations prior to the dean's have been positive, that dean shall meet with the College (or University Libraries) committee and state his or her reasons for the negative decision. If, after consultation with the dean, the College or University Libraries committee feels that further review is warranted, the committee shall forward such cases to the Office of the Provost for transmittal to the University Promotion and Tenure Committee..."

"In reviewing Commonwealth Campus faculty... If the decision is made at the College or University Library level of review not to award tenure, the Dean of the Commonwealth Educational System shall notify the faculty member in writing (see section IV 4): negative promotion decisions do not require such formal notification. *In all cases where the deans make a negative tenure or promotion decision and where all recommendations prior to the dean's have been positive, one of the deans shall meet with the College (or University Libraries) committee and state the reasons for the dean's decision. If, after consultation with the dean, the College or University Libraries committee believes that further review is warranted, the committee shall forward such cases to the Office of the Provost for transmittal to the University Promotion and Tenure Review Committee.*

In his response to Dr. Tischler, Dr. Oswald wrote:

"I deeply respect and value the advice of the Faculty Senate, particularly on matters related to promotion and tenure policies. Nevertheless, I have decided not to enact the Senate's recommendation to discontinue the so-called dean's veto. Since the earliest discussions about PS-23 I have advocated that college deans be empowered to terminate at the college level candidates for promotion and tenure. In September, 1978, I affirmed that view when the Senate offered legislation quite similar to the present recommendation.

"Although I appreciate the concerns behind the Senate's recommendation, there are, I believe, more persuasive counter-arguments and considerations, a

(Continued on page 3)

Faculty Senate meeting canceled

The University Faculty Senate meeting scheduled for Nov. 10 has been canceled by the Senate Council on the advice of the Senate officers.

The number and nature of reports expected for both the November and December meetings can be accommodated at the Dec. 15 meeting.

Nov. 10 will be used, however, as a time for seven of the Senate's standing committees to meet. This will give them an opportunity to do necessary work and to coordinate some actions with other committees. The seven committees are: Academic and Athletic Standards; Admissions, Records and Scheduling; Curricular Affairs; Faculty Affairs; Research; Student Affairs, Awards and Scholarships; and Undergraduate Instruction.

The usual meeting of officers and committee chairmen, held the night before the Senate meeting, also has been canceled, as has the Commonwealth Campus Caucus meeting at noon on Senate day.



Autumn leaves on the steps of the Henderson Human Development Building.

Photo: Scott Johnson

Presidential search group named

Quentin E. Wood, president of the Board of Trustees, has announced the names of 15 people who will serve on the University Presidential Search and Screen Committee.

The committee will play a major role in the search for a successor to President Oswald, who will retire June 30, 1983. The 15 are all faculty and staff members, students and alumni.

Dr. Robert S. Friedman, director of the Science Policy Center and professor of political science, has been appointed committee chairman. Dr. Nancy M. Tischler, chairman of the University Faculty Senate and professor of English and humanities at the Capitol Campus,

has been named vice chairman.

Other members are: Daniel M. Bollag, tenth-term undergraduate student majoring in chemistry; Dr. Carol A. Cartwright, secretary of the University Faculty Senate and acting associate dean for academic affairs in the Commonwealth Educational System; Dr. Herbert Cole Jr., professor of plant pathology; Dr. Joseph A. Dixon, chair-elect of the University Faculty Senate and professor and head of the Department of Chemistry; Edward M. Elias, director of the York Campus.

Dr. Stuart Forth, chairman of the Council of Academic Deans and dean of the University libraries; Dr. George W.

(Continued on page 3)

Winter conference being planned on general education objectives

President Oswald has announced that a Conference on the Objectives of General Education at Penn State, sponsored by the Office of the President, the Office of the Provost, and the University Faculty Senate, will be held this winter at University Park.

The conference program, to be developed by a special steering committee, will be highlighted by an opening plenary session. In the weeks following the plenary session, additional programs and meetings will be organized to promote discussion of general education among faculty members, students and administrators at all University locations.

Quoting a 1977 report from the Carnegie Foundation for the Advancement of Teaching, Dr. Oswald observed that "the curriculum is the major statement any institution makes about itself." Within the

curriculum, he added, general education can be the trademark that makes a university unique.

Courses taken to fulfill general education requirements currently comprise about one-third of the undergraduate student's academic experience at Penn State. Accordingly, Dr. Oswald said, periodic reappraisal of general education should be a high priority.

Dr. Oswald cited several factors that contribute to the need to reconsider the meaning of a Penn State education at this time, including:

- A *Perspective on the '80s* discusses the evolution of general education requirements at Penn State over the past 20 years and encourages a continuous reassessment and improvement of these requirements.
- Changing professional interests of

many students and corresponding changes in programs evoke a reappraisal of the University role in providing a balanced curriculum.

- Consideration must be given to the most effective use of the University's instructional resources, including its personnel, in serving students.

- The entire nation is experiencing a need for greater social cohesion and for a broad base of intellectual literacy, a climate not unlike those that served as catalysts for general education awakenings in the past.

The conference steering committee will be co-chaired by Dr. Oswald, Provost Eddy, and Dr. Nancy M. Tischler, chairman of the University Faculty Senate. The committee has been asked to address seven objectives in the conference agenda and the broader University-wide discussion which follows:

- To stimulate discussion of the broader aims of general education at Penn State — its purpose, goals, and ideals.

- To promote a greater understanding of the functions and character of a general education, in contrast to distribution requirements and credits earned.

- To clarify the distinctive contributions that general education makes to the development of the individual student.

- To explore the premise that there are identifiable qualities that should be attributable to a Penn State graduate.

- To extend the insights developed through the conference to a reconsideration of Penn State's general education program.

- To offer improvements in the incentives and rewards for faculty contributions to general education.

(Continued on page 3)

Penn Staters

Dr. George E. Andrews, Evan Pugh professor and head of the Department of Mathematics, presented a series of lectures in India. He spoke at the Indian National Academy of Sciences meeting in Cochin; Matscience Institute in Madras; the Indian Statistical Institute in Calcutta; Lucknow University, and Delhi University.

His talks were all on the "lost" notebooks of Srinivasa Ramanujan, one of the giants of 20th century mathematics. Dr. Andrews discovered Ramanujan's notebooks, which probably represent the Indian mathematician's final work, in a box in Trinity College Library, England, in 1976. While in Madras, Dr. Andrews also met with Ramanujan's widow, who is

now 81 years old, and appeared on the Madras television news program, "Men and Matters."

A large stoneware piece, "Jar of the Snowy Mountain Scroll" by Kenneth R. Beittel, professor of art education and Fellow of the Institute for the Arts and Humanistic Studies, is one of 28 selected works by Pennsylvania artists to be included in a traveling exhibition organized by the American Wind Symphony Orchestra, Wind Orchestra of the Americas, for its 1981-82 concert voyage aboard Point Counterpoint II en route to Jamaica, Puerto Rico, and the Caribbean and South American ports. Dr. Beittel also was invited to be an artist-in-residence aboard the cruise.

Dr. J. Larry Duda and Dr. James S. Vrentas, professors of chemical engineering, have been named co-recipients of the William H. Walker Award of the American Institute of Chemical Engineers (AIChE).

Given annually to a person who has made an outstanding contribution to chemical engineering literature, the award consists of a certificate, plaque and a \$2,000 honorarium from the Monsanto Co.

The award is named for Professor William H. Walker, who graduated from Penn State with a B.S. in chemistry in 1890 and is considered the father of chemical engineering.

Dr. Duda and Dr. Vrentas, the first Penn State researchers to win a major AIChE award, are being recognized for their work in polymer melts and solutions and their general contributions to the understanding of diffusional phenomena.

F. G. Helfferich, professor of chemical engineering, has been appointed editor of a new scientific journal, *Reactive Polymers*. The international journal will cover all aspects of modification of fluid composition through interaction with reactive polymeric substances, both organic and inorganic.

The journal will include, but is not restricted to subjects such as ion exchanges, sorbents, polyelectrolytes, fixed enzymes, and membranes and their use in water and effluent treatment, separations, catalysis, and synthesis as well as environmental, hydrometallurgical, biochemical, biomedical, and pharmaceutical applications.

Dr. James W. Kelz, professor of education and director of rehabilitation programs, recently assumed the presidency of the Pennsylvania Rehabilitation Association.

Dr. Kelz also serves as an elected senator of the American Personnel and Guidance Association. He chairs the Armed Services Committee of the National Vocational Guidance Association.

Dr. Herberta M. Lundegren, interim associate dean for graduate studies and research in the College of Health, Physical Education and Recreation, has received the 1981 Meritt Award of the Eastern Association for Physical Education of College Women.

The award recognizes persons who have given meritorious service to girls and women in physical education through teaching, writing, research and leadership in various organizations.

Paintings, drawings and prints by abstractionist Richard Mayhew, associate professor of art, are on display in the Morgan State University Gallery of Art, in the Carl Murphy Fine Arts Center in Baltimore, through Nov. 6.

Paintings by Wirth McCoy, professor emeritus of art, will be on exhibition in the Student Union Lounge of the Fayette Campus through Nov. 20.

Mr. McCoy, who served as professor and head of art before his retirement from the University, works in acrylic and oil and his paintings are influenced by natural subjects. He holds degrees from the Universities of Minnesota and Iowa and a diploma in painting and design from the Academie de la Grand Chaumiere in Paris.

Three members of the Cooperative Extension Service staff have been named recipients of Distinguished Service Awards presented by the National Association of Extension 4-H Agents. Cited for "outstanding achievements in youth programming" were Harold R. Ott, regional 4-H agent for the Northwest Extension Region; Charles G. Replogle, Allegheny County 4-H agent, and Dr. Jerry H. Reubyn, 4-H curriculum specialist.

Ott, who served one year as regional 4-H agent and 16 years as Erie County Extension agent, initiated a regional 4-H citizenship retreat, 4-H exchange programs, including one with Canada, and three pre-teen exchanges with other Pennsylvania counties.

Replogle provided statewide leadership the last two years for "Citizenship-Washington Focus," an educational experience for teens at the National 4-H Center. He developed an orientation handbook that has been used by more than 300 4-H leaders during the last three years.

Dr. Reubyn, associate professor of forest resources Extension, pioneered 4-H in urban settlement houses, started 4-H physical fitness programs for urban youth, and originated Pennsylvania 4-H projects in riflery, archery, orienteering, and leisure education.

Dr. Hans Panofsky, Evan Pugh professor of atmospheric sciences, has been chosen chairman-elect for Section W, atmospheric and hydrospheric sciences, of the American Association for the Advancement of Science.

On Jan. 9, 1982, Dr. Panofsky will become chairman-elect for the first year of a three-year term. In the second year, he will serve as chairman and in the third he will be retiring chairman. He previously served as representative-at-large for Section W.

Dr. John H. Pazur, professor of biochemistry, recently returned from Tokyo, Japan, where he served as a visiting scholar at the Institute of Physical and Chemical Research, the major research facility for physics, chemistry, and the life sciences supported by the Japanese government.

At the Institute and also at several universities and industrial research laboratories, Dr. Pazur lectured on "Purification of Anti-carbohydrate Antibodies and Myeloma Proteins of Potential Value in the Detection and Treatment of Human Diseases." The organizations visited included Osaka City Research Institute, Osaka University, Kyoto University, Tohoku University, and Showa Denko Co.

Dr. Pazur also presented a paper, "Anti-glucoamylase Antibodies with Specificity for the Carbohydrate Moieties of Glucoamylase," at the sixth International Glycoconjugates in Tokyo and participated in the annual meeting of the Japanese Biochemical Society in Sendai.

Dr. Rio Preisner, professor of German, is author of a new, complex study of Western culture entitled *Culture Without an End*. The book is published in Czech under the title, *Kultura bez konce* (Munich: Edition Artyr, Karel Jadrny Verlag, 1981).

It examines Western political and religious thought and cultural development, beginning with the ancient Greeks. Dr. Preisner researched and completed the book during a 1977 sabbatical stay at Wolfenbuttel, Germany.

Dr. Rustum Roy, director of the Materials Research Laboratory, was organizer and principal speaker at a Workshop on Materials for Education held at the VIII Interamerican Conference on Materials Technology in Mexico City Oct. 20-23.

Dr. Roy described the Educational Modules for Materials Science and Engineering project headquartered at MRL. EMMSE is a consortium of U.S. universities and industries developing new modular materials in print, video and computer format for college and continuing education use.

Over the last two years, EMMSE has become international, with a West European Committee playing a major role in the system. Similar consortia have been started in the USSR and India, each providing materials for the EMMSE journal.

Promotions

Staff Exempt

Charles N. Long, to maintenance supervisor in Housing and Food Services.

Staff Non-Exempt

Patricia Blasko to administrative aide in Science.

Clerical

Vicki G. Keller to secretary B in Science.

Appointments

John C. Becker as assistant professor of agricultural law extension at University Park. B.A., LaSalle College; J.D., Dickinson School of Law, Attorney, Bangor, Pa.

Madhu S. Prakash as assistant professor of education at University Park. B.A., Lady Shri Ram College (New Delhi, India); M.A., Miranda House (Delhi, India); M.B.A., Faculty of Management

Donna F. Lance to secretary C in Agriculture.

Edna L. Shuey to secretary in Science.

Lisa A. Spotts to clerk, typist A in Agriculture.

Technical Service

Shirley H. Bennett to building services assistant in Continuing Education.

Beth E. Jefferson to patient nourishment assembler at Hershey.

Eileen T. Loffreda to patient service aide at Hershey.

Studies (Delhi, India): Ph.D., Syracuse U. Instructor, Syracuse U.

Malcolm L. Van Blerkom as assistant professor of psychology at Shenango Valley. B.S., M.S., Ph.D., Penn State; M.Ed., Kent State. Instructor of psychology, Altoona Campus.

Eric R. Weisman as assistant professor of speech communication at Ogoritz. B.A., M.A., Ph.D., Temple U. Part-time instructor, Community College of Philadelphia.

education that makes sense philosophically, scientifically and politically," says Dr. Garbarino, "although some, no doubt, will find it controversial."

C. Elliott Asp, a doctoral student in human development at the University, assisted in the final writing and technical preparation of the manuscript.

Retirements

Gilbert H. Harter, mechanic, auto in Physical Plant, retired Oct. 31. He had been employed by the University since Oct. 1, 1963.

Newton Pressler, building and equipment attendant in Human Development, retired Nov. 1 after serving with the University since Oct. 17, 1966.

Oliver L. Tate, building services assistant in Continuing Education, retired Nov. 1 after being employed by the University since Feb. 1, 1967.

Obituary

Helen S. Bottorf, secretary and office manager in the College of Health, Physical Education and Recreation from July 1, 1916, until her retirement Jan. 1, 1960, died Oct. 25. She was 83.

Bookshelf

Dr. James Garbarino, associate professor of human development, is the author of *Successful Schools and Competent Students*. The 170-page book, published by Lexington Books, D.C. Heath and Co., presents a social and developmental perspective on schools and schooling.

Dr. Garbarino describes it as "an essay with a point of view rather than just a review of the literature." He says he tried to look beyond educational psychology and instructional technique to find criteria with which to evaluate U.S. education.

The issues examined include the importance of the school in shaping social development at all educational levels. Cross-cultural comparisons are made and the issue of crime in the schools is confronted, along with the question of equality in educational opportunity.

The book "seeks to develop a view of

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Simon musical set for Nov. 12

Neil Simon's hit Broadway musical comedy *They're Playing Our Song*, starring Lorna Luft, will be presented by the Artists Series at 8:30 p.m. Thursday, Nov. 12 in Eisenhower Auditorium.

They're Playing Our Song was written by Neil Simon, with music by Marvin Hamlisch and lyrics by Carole Bayer Sager. The hit musical comedy has musical numbers staged by Patricia Birch and is directed by Philip Cusack.

They're Playing Our Song is a musical comedy about a composer and a lyricist who collaborate not only on music but also on romance and is loosely based on similarities in the real lives of the composer and lyricist. The eight-character musical revolves around Vernon, an Academy Award-winning composer and Sonia, a witty, intelligent and off-beat lyricist of contemporary pop songs who have a difficult time making their lives as harmonious as their music.

Appearing as Sonia will be Lorna Luft, daughter of the legendary Judy Garland. Ms. Luft is a stage performer, nightclub headliner, and concert and recording artist. *They're Playing Our Song* marks her second association with a Neil Simon musical. She made her Broadway debut in Neil Simon's *Promises, Promises*, for which she received the "Rising Star of the Year Award" from the American Guild of Variety Artists. Her most recent stage appearances include John Kenley's production of *Grease* in the lead role of Sandy Dumbroski and the starring role of Lilli in the musical *Carousel*.

Richard Ryder (Vernon), the former painter, turned singer, turned actor, has piled up an impressive list of credits. He



Lorna Luft will star in *'They're Playing Our Song.'* Nov. 12 in Eisenhower Auditorium.

has appeared on Broadway in *Via Galactica* and *Oh! Calcutta*, and in musical comedies such as *Pal Joey*, *Fiddler on the Roof*, *Kiss Me, Kate*, *See Saw*, *Five O'Clock Girl*, and *Can't Help Lovin' Dat Kari*. His television credits range from "The Tonight Show" to "For Richer, For Poorer," while on the nightclub circuit he has shared the stage with Juliet Prowse, Andy Griffith, Tennessee Ernie Ford, and Henri Mancini.

A limited number of tickets will go on sale at the HUB Booth and Eisenhower Auditorium box office at 9 a.m. Monday, Nov. 9.

Leonard Feldman to give recital

Leonard Feldman, cellist with the Alard String Quartet, will present a recital at 8:30 p.m. Wednesday, Nov. 11, in the Music Bldg. recital hall. A preview of the performance is scheduled for 1 p.m. Tuesday Nov. 10 in the recital hall as part of the School of Music's Common Hour Series.

Included in Mr. Feldman's program will be some seldom-heard works for one and two cellos as well as pieces originally written for clarinet, oboe and violin and later transcribed for cello.

Mr. Feldman will begin the concert with Friedrich Grützmaier's arrangement of Robert Schumann's Fantasy Pieces, opus 73. Pianist Jill Olson will assist Mr. Feldman in a performance of the Sonata for Cello and Piano, opus 119 by Sergei Prokofiev.

Mr. Feldman's 15-year-old son, Stephen, also a cellist, will join his father on the Duo II in B flat, opus 10 by Franz Christoph Neubauer. Stephen is a student at State College Intermediate High School and a member of the Penn State Symphony Orchestra.

Also selected for the program is the Adagio from George Szell's arrangement of Mozart's Concerto in D, K. 285d; Joseph Shuster's arrangement of "Nigun" from "Baal Shem" by Ernest Bloch and the program's closing number, Tchaikovsky's *Pezzo Capriccioso*, opus 62.



Leonard Feldman

An associate professor and a member of the Alard String Quartet since 1959, Mr. Feldman has performed on four continents and has taught at Wilmington College, the State University of New York at Potsdam and the University of Canterbury in New Zealand with the Quartet.

The School of Music is sponsoring both the preview performance and the recital, and the public is welcome to attend both free events.

President decides

(Continued from page 1)

conclusion also reached by the Joint Committee on Tenure in April, 1980. The specific reasons I have decided not to alter current policy are as follows:

"1. A college dean is ultimately responsible for the quality of that college's faculty. To ensure quality control and to assign authority commensurate with responsibility a dean must be able to deny tenure to individuals whom that dean considers unqualified for a permanent position.

"2. The proposed amendment to PS-23 will, I feel certain, tempt departmental and college committees to be less stringent in the first instance. On questionable or marginal cases the college committees may vote favorably with the full knowledge that, should the dean decide otherwise, the committee can reconsider the case after the dean has rendered a judgment.

"3. Under those circumstances, the traditional promotion and tenure process becomes inverted; the dean needs to make a persuasive case to a faculty committee to deny tenure rather than having the faculty committee make a persuasive case to the dean to award tenure. Such a change in procedure does not in my opinion serve the interests of quality.

"The process will inevitably push more cases to the University level and place a greater workload and a greater burden for

quality control on the University Committee, the Provost, and the President. Increasingly, selectivity will have to be exercised at a level removed from the College.

"Finally, I am confident that PS-23 and other University regulations provide adequate means for redress where there have been allegations of arbitrary, capricious, or unlawful actions in the promotion and tenure process.

"While I have not accepted the Senate's proposed legislation, I do support heartily the recommendation of the Joint

Commission that 'In all cases where a dean makes a negative tenure or promotion decision and where all recommendations prior to the dean's level have been positive, that dean is required to meet with the college committee and state his or her reasons.' I would be pleased to receive such a recommendation from the Senate."

Dr. Tischler told INTERCOM that the Faculty Affairs Committee will be asked to "reconsider the dean's veto section of the Senate's recommendation on promotion and tenure."

Labor Studies Club offers exhibit, films

The Penn State Labor Studies Club is observing the 100th anniversary of organized labor in the U.S. with an exhibit and film festival.

The exhibit — which features labor union pins, badges, posters and other material — will be on display in the HUB Art Alley through Nov. 20.

The film festival will be held in the HUB Assembly Room Monday, Nov. 9, and Friday through Sunday, Nov. 13-15. Screening time is at 8 each evening; the films are offered free of charge.

Army ROTC officer to visit tomorrow

Maj. Gen. Robert A. Sullivan, Army deputy chief of staff for ROTC, will visit the University tomorrow.

Maj. Gen. Sullivan's visit will be his first to an ROTC unit at a major university, according to Lt. Col. Arthur S. Dervaes, head of Army ROTC at Penn State. There are about 900 Army ROTC cadets at the University's various campuses.

Maj. Gen. Sullivan is scheduled to meet with Dr. Robert E. Dunham, vice president for undergraduate studies, in addition to meeting with the cadet chain of command and other selected cadets. He will speak at a military dinner for cadets, faculty members and administrators at 6:30 p.m. at the Sheraton Inn.

As deputy chief of staff for ROTC, Maj. Gen. Sullivan is responsible for the Army Reserve Officer Training Corps program offered at 287 host institutions and at over 750 other colleges and universities.

Before assuming his present post at U.S. Army Training and Doctrine Command, Fort Monroe, Va., Maj. Gen. Sullivan was chief of public affairs in the office of the Secretary of the Army, Washington, D.C.

Presidential search

(Continued from page 1)

Franz, immediate past chairman of the University Faculty Senate and assistant professor of history at the Delaware County Campus; Steve A. Garban, vice president and controller; Dr. James D. Hammond, professor of business administration.

Dr. Charles L. Hosler, dean of the College of Earth and Mineral Sciences; Lauren Sue Miller, graduate student in genetics; Dr. Fred Rapp, Evan Pugh Professor of Microbiology, and director of the Specialized Cancer Research Center at the Hershey Medical Center, and Richard

A. Zimmerman, president of the Penn State Alumni Association.

Mr. Wood is chairman of the eight-member Trustee Presidential Selection Committee that earlier this fall authorized establishment of the Search Committee.

The Search Committee, he said, will publicize the search for a new president, and receive and screen applications and nominations. Ultimately, it will submit to the Selection Committee a list of top candidates. The Selection Committee will select a final candidate and submit that name to the full Board of Trustees for confirmation.

Both committees will serve until Dr. Oswald's successor assumes office.

Winter conference

(Continued from page 1)

— To explore organizational and pedagogical benefits that might be derived by virtue of the University's network of campuses in the Commonwealth Educational System.

Dr. Oswald said the conference also would support such other concerns as the restructuring of the curriculum in the University's conversion to an early semester system.

"I would hope," he said, "that the ideas generated by the conference would have a long-term influence in promoting a continuing discussion on general education within the colleges and at all the University's campuses. Ultimately, this

discussion could lead to a restructuring of Penn State's general education requirements to meet most effectively both societal and individual student needs."

Members of the Steering Committee besides Dr. Oswald, Dr. Eddy, and Dr. Tischler are: Robert D. Arbuckle, director, New Kensington Campus; Paul Axt, director, University Scholars Program; Paul D. Bell, student member, Board of Trustees; Robert W. Carrubba, associate dean of the Graduate School; Carl A. Cartwright, acting associate dean, Commonwealth Educational System; Jerry B. Covert, associate professor of biology.

Robert E. Dunham, vice president for undergraduate studies; Caroline D. Eckhardt, associate professor of English

and comparative literature; Patricia Farrell, department head and associate professor of Recreation and Parks; Theodore L. Gross, provost and dean, Capitol Campus; Christopher Hopwood, chairman, Student Academic Assembly; Charles L. Hosler, dean, College of Earth and Mineral Sciences.

Theodore E. Kiffer, General Education Programs, College of the Liberal Arts; John M. Lilley, dean, Behrend College; Stanley F. Paulson, dean, College of the Liberal Arts; Robert F. Schmalz, professor of geology; William E. Toombs, director, Center for the Study of Higher Education; Carl H. Wolgemuth, professor of mechanical engineering; Staff to the committee is G. Gregory Lofzer, associate director for planning and research, Office of Planning and Budget.

University Park Calendar

November 5-15

Special Events

Thursday, Nov. 5

Japanese Program film, "Shinto: Nature, Gods and Man in Japan," 11:10 a.m., Room 171 Willard Bldg.

Poetry Reading by Sidney Lea, author of *Searching the Drowned Man* and editor of the *New England Review*, 3:30 p.m., Rare Books Room, Pattee Library. Sponsored by the English Department and the Institute for the Arts and Humanistic Studies.

Commons Film Series, *Myra Breckenridge*, 7 and 9 p.m., Room 112 Kern.

URTC, Williams, *The Glass Menagerie*, 8 p.m., Pavilion Theatre.

Friday, Nov. 6

Cinemafest Film, *Shampoo*, 7 and 9 p.m., Room 10 Sparks Bldg.

Commons Place Theatre, *Apocalypse Now*, 7 and 9:30 p.m., Room 112 Kern.

Interludia Folk Dancing, 7:30 p.m., HUB Ballroom.

GSA Coffeehouse, 8 p.m., Room 102 Kern.

URTC, Williams, *The Glass Menagerie*, 8 p.m., Pavilion Theatre.

Artists Series, *Flabobus Dance Theatre*, 8:30 p.m., Eisenhower Auditorium.

Sports: JV football vs. Indiana (PA), 2 p.m.; soccer vs. Connecticut, 7:15 p.m.; men's swimming, Penn State Invitational; women's swimming, Penn State Invitational; women's fencing, Penn State Open, 9 a.m.; ice hockey vs. Upsilon, 9:15 p.m.

Saturday, Nov. 7

Shaver's Creek Environmental Center, Hawk Mountain Trp, 6 a.m.-7 p.m. Registration, 865-1851.

France-Cinema, Truffaut, *Bed and Board*, 7 and 9 p.m., Room 112 Kern.

Cinemafest Film, *Shampoo*, 7 and 9 p.m., Room 10 Sparks Bldg.

URTC, Williams, *The Glass Menagerie*, 8 p.m., Pavilion Theatre.

Pi Lambda Fraternity, weight-lifting competition benefiting the Arthritis Foundation, Rec Hall.

Sports: men's swimming, Penn State Invitational; women's swimming, Penn State Invitational.

Chamber Choir sets recital for Sunday

The first on-campus recital by the Penn State Chamber Choir will be presented at 3:30 p.m. Sunday, Nov. 8, in the recital hall of the Music Bldg.

For the first half of the program, the chamber choir will perform two different compositions based on texts from the "Lamentations of Jeremiah." The first interpretation, by 16th century composer Thomas Tallis, is highly representative of sacred music of the time. The second interpretation of the "Lamentations" was written four centuries later, by 20th century South American composer Alberto Ginastera.

One of J.S. Bach's earliest and most frequently performed cantatas, "Ich hatte viel Bekümmernis" (B.W.V. No. 21), has been selected for the second part of the

tational; ice hockey vs. Upsilon, 8 p.m.

Sunday, Nov. 8

Shaver's Creek Environmental Center, Moss Hanna Trail Hike, Black Mohonohan State Park, 10 a.m.-6 p.m. Registration, 865-1851. Commons Place Theatre, *Apocalypse Now*, 7 and 9:30 p.m., Room 112 Kern.

Sports: women's cross country, NCAA Regional Qualifier, 1 p.m.

Monday, Nov. 9

The University Readers "The Moral of the Story," a selection of fables and stories by James Thurber, 12:45 p.m., Room 309 Sparks Bldg. 7:30 p.m., HUB Main Lounge.

France-Cinema, Truffaut, *Bed and Board*, 7 and 9 p.m., Room 112 Kern.

Eco-Action Sub-Committee Trans-Species Unlimited meeting, 8 p.m., Room 173 Willard Bldg.

Tuesday, Nov. 10

GSA Council meeting, 6:30 p.m., Room 101 Kern.

URTC, Williams, *The Glass Menagerie*, 8 p.m., Pavilion Theatre.

Wednesday, Nov. 11

Graduate Council meeting, 3 p.m., Room 101 Kern.

Robeson Cultural Center, movie, *Sanders of the River*, 7:30 p.m., Walnut Bldg.

Leonard Feldman, concert, 8 p.m., Music Bldg. Recital Hall.

URTC, Williams, *The Glass Menagerie*, 8 p.m., Pavilion Theatre.

Thursday, Nov. 12

Penn State Dames meeting, 7:30 p.m., Room 101 Kern.

URTC, Williams, *The Glass Menagerie*, 8 p.m., Pavilion Theatre.

Friends of the Museum, 8 p.m. Museum of Art. Philip Grausman, sculptor, on "Discovering Form."

Friday, Nov. 13

Craft Demonstration, 11:30 a.m., Kern Lobby. Commons Place Theatre, *Kramer vs. Kramer*, 7 and 9 p.m., Room 112 Kern.

Interludia Folk Dancing, 7:30 p.m., HUB Ballroom.

URTC, Williams, *The Glass Menagerie*, 8 p.m., Pavilion Theatre.

GSA Coffeehouse, 8 p.m., Room 102 Kern.

chamber choir's program. The cantata includes recitatives, arias, duets and four choral movements, a larger number than most of the composer's later cantatas. Musica da Camera, the University chamber orchestra, as well as soprano Brenda Harsch, alto Janice Wilson, tenors Ralph Lyons and Charles Claus and bass Joel Westa will be featured on this piece.

Also included in the chamber choir's program is Vaughn Williams' "O Clap Your Hands." Highlighting this selection will be solos by the same five singers.

The Penn State Chamber Choir is composed of 24 singers, both graduate and undergraduate students, most of whom are music majors at the University. The group is conducted by D. Douglas Miller, associate professor in the School of Music.

The Sunday afternoon recital, sponsored by the School of Music, is free and the public is welcome.

neuroscience, pharmacology and psychiatry.

Dr. Snyder's Lasker Award winning research was described at that time as a contribution which "lies at the heart of attempts to solve the major human problems of the relief of pain and the counteracting of narcotic addiction."

Term calendar info is due next Thursday

Information for the INTERCOM Winter Term Calendar should be turned in by Thursday, Nov. 12. Material can be sent to Calendar Editor, Room 301 Old Main, 865-2501.

"Beat Alabama" Pep Rally, 8:45 p.m., Rec Hall.

Saturday, Nov. 14

Deadline to submit petition to Records Office to graduate in absentia in November.

Chinese Student Association film, 1:30 p.m., Room 112 Kern.

France-Cinema, Visconti, *The Innocent*, 7 and 9 p.m., Room 112 Kern.

URTC, Williams, *The Glass Menagerie*, 8 p.m., Pavilion Theatre.

Sports: football vs. Alabama, 1 p.m.; women's volleyball vs. Pittsburgh, 8 p.m.

Sunday, Nov. 15

Commons Place Theatre, *Kramer vs. Kramer*, 7 and 9 p.m., Room 112 Kern.

Seminars

Thursday, Nov. 5

Ceramic Science 500 Seminar Series, 11 a.m., Room 301 Steidle Bldg. Dr. H.P. Kirchner, Ceramic Finishing, on "Surface Preparation and Properties."

Engineering Science and Mechanics Seminar, 11 a.m., Room 232 Hammond Bldg. Dr. V.K. Varadan, Ohio State University, on "Acoustic Scattering by a Finite Elastic Cylinder in Water."

Geosciences Colloquium, 3:45 p.m., Room 22 Deike Bldg. Professor Robert L. Folk, Dept. of Geological Sciences, University of Texas, on "Italian Radiolarian Cherts and Ophiolites: Peridot or Abyssal?"

Physics Colloquium, 3:50 p.m., Room 117 Osmond Lab. S. Koenig, IBM Thomas J. Watson Laboratory, on "NMR Studies of Biological Molecules."

Fuel Science Seminar, 4 p.m., Room 301 Steidle Bldg. Dr. Ronald Liotta, Exxon Research and Engineering Co., on "Mechanism of Oxidative Weathering of Coal."

Acoustics Seminar, 4 p.m., Room 73 Willard Bldg. Dr. Robert T. Beyer, professor of physics, Brown University, on "Understanding the Nature of Sound Absorption in Sea Water."

Schilling Science and Religion Seminar, 6 p.m., Gilpin Room, Nittany Lion Inn. Dr. Aaron Druckman, retired associate professor of philosophy, on "Science, Poetry, Religion—A Unity." Reservations by Nov. 10 at 863-0523.

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A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Seminar continues Nov. 12, 7:30 p.m., Room 108 Forum Bldg.

Acoustics Lecture, 7:30 p.m., Room 26 Mineral Industries Bldg. Dr. Lawrence W. Kessler, Sonoscan, Inc., on "Acoustic Microscopy: Methods, Applications, Outlook."

Wednesday, Nov. 11

Sigma Delta Epsilon — Graduate Women in Science, brown bag luncheon and lecture, 12:1 p.m., Room 101A Kern. Naomi Novak, PSU Science Information Officer, on "What's New With You."

English Colloquium, 8 p.m., Room 101 Kern. Audrey T. Rodgers, associate professor of English, on "The Virgin and the Whore: William Carlos Williams' Women and the Imagination — Some Reflections."

Thursday, Nov. 12

Organic/Inorganic Seminar, 9:35 a.m., Room 333 Whitmore Lab. Professor V. Jager, University of Wurzburg, on "Isosoxalones — Unique Alkaloid Analogues."

Ceramic Science 500 Seminar, 11 a.m., Room 301 Steidle Bldg. Dr. L. Bowen, GTE Laboratories, Waltham, Mass., on "Zinc Oxide Varistors."

Physics Colloquium, 3:50 p.m., Room 117 Osmond Lab. S. Koenig, IBM Thomas J. Watson Laboratory, on "NMR Studies of Biological Molecules."

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Acoustics Seminar, 4 p.m., Room 301 Steidle Bldg. Dr. Robert T. Beyer, professor of physics, Brown University, on "Understanding the Nature of Sound Absorption in Sea Water."

Schilling Science and Religion Seminar, 6 p.m., Gilpin Room, Nittany Lion Inn. Dr. Aaron Druckman, retired associate professor of philosophy, on "Science, Poetry, Religion—A Unity." Reservations by Nov. 10 at 863-0523.

Friday, Nov. 13

Record enrollment figures highlight President's news conference

The University has the highest enrollment in its history.

A record 57,194 resident instruction students are enrolled for Fall Term. President Oswald told news media representatives at University Park last week. The all-time high figure represents an increase of 1,533 or 2.8 percent over last year.

The final enrollment figures show 33,756 students at University Park, a record, and 18,133 at the 17 Commonwealth Campuses, also a record. Behrend College has 1,800 students; Capitol Campus, 2,526; Hershey Medical Center, 543; and Radnor, 436.

Dr. Oswald reported that eight of the Commonwealth Campuses have record enrollments.

At University Park, four of the ten colleges increased in enrollment, with the Division of Undergraduate Studies showing a 17.4 percent increase, Business Administration 14.6 percent and Engineering 9 percent.

Enrollments in Science and Earth and Mineral Sciences increased, while Liberal Arts, the largest college, and Health, Physical Education and Recreation, the smallest, remained about the same as last year. Arts and Architecture and Human Development showed small decreases.

The largest single drop in undergraduate resident instruction, 7.7 percent, was in the College of Education, followed by the College of Agriculture at 6.3. Dr. Oswald noted that studies have indicated that in the early 1990s there could be a possible shortage of teachers unless enrollments in education begin to pick up.

The President said he expects the University to fare well in the 1990s despite projected decreases in the number of high school graduates since Penn State is so strong in many areas that society is clamoring for, including business, engineering, earth and mineral sciences, and computer science.

Concerning future state support to Penn State, he said he is hopeful the Legislature will keep up with the



President Oswald meets with news media representatives at a briefing at University Park. On his right is Arthur V. Ciervo, director of the University's Department of Public Information and Relations.

increased costs of higher education.

"Realistically, these costs will have to be shared by the State and the students, both of whom benefit from higher education. We certainly are going to have to set priorities within the funds available and we have, in fact, done so over the past 10 years, reallocating some \$22 million within the University."

There will be an increased emphasis on private support, he added, noting that such support increased from \$5 million to \$11 million annually in the last five years. The University, with the assistance of an enlarged Penn State Fund Council, hopes to double that to over \$20 million annually in the next five years.

"I really expect that the State will provide sufficient funding for the University to be adequate," Dr. Oswald said. "The difference in Penn State being an adequate university and a first-rate university will have to come from private gifts, federal grants, and a full variety of other sources."

Recent changes in federal regulations

on student aid, when they go into effect, will not result so much in fewer students at Penn State but may bring about a different mix, he told the media representatives.

"A higher percentage of our students may come from more affluent families and a smaller percentage from middle income families. If the further 12 percent cut suggested goes into effect, we may well have some fallout."

"It's been predicted that this additional 12 percent cut would affect some 500,000 students nationally and some of these, of course, would be Penn State students. The last thing we want to do is lose students and this may require us to shift some funds into student aid."

Asked to pinpoint the highlights of his tenure at Penn State, Dr. Oswald cited the evolution of the Hershey Medical Center "from a fledgling medical school to one of the absolutely first-rate medical schools in the country" and a set of governance principles where "it's clear that faculty members are involved at most

stages of governance and students are much more involved than in the past."

Concerning the closing of residence halls at University Park at the end of Fall Term, Dr. Oswald issued this statement:

"The University residence halls and classroom facilities will be officially closed following the end of final examinations to the period of commencement. Indeed, the University is currently in litigation concerning the obligations it may or may not have as it relates to opening and closing dates. Furthermore, to voluntarily extend the services of the University beyond the end of the final examination period might have an adverse impact upon the position of the University in the law suit."

In other matters, Dr. Oswald:

— Said the biggest problem with regard to the proposed public radio station at University Park is to get a permit from the Federal Communications Commission to proceed with construction. "There are a number of competing organizations for the frequency our professional people tell me is the best. We also have some different options for dealing with construction of high towers, but we cannot proceed until we hear from the FCC on the license."

— Reported he may make a recommendation for the new position of vice president for development at the November Board of Trustees meeting, and, if not, at the January meeting.

— Said the University has not seen increases in minority enrollments it would like to have seen, but progress has been made. "We turned around a most serious situation that developed in 1975 and we hope to keep our minority enrollments increasing."

— Anticipated that by his retirement in 1983, conversion to the semester system will be well set. "Obviously this is not a simple operation. We are emphasizing to all who come in with curricular changes that they use this time for curricular reform wherever possible."

Dean Hermanowicz delivers annual 'State of the College' address

"When I am asked what is the state of the College, my unequivocal answer is that it is healthy, strong, vigorous, productive and distinguished."

So remarked Henry J. Hermanowicz, dean of the College of Education, in his annual "State of the College" address during a special faculty meeting last Friday.

"I am committed to advancing those qualities and characteristics . . . and am optimistic about the future of the College of Education and The Pennsylvania State University," Dean Hermanowicz said.

Focusing on the College's budget and enrollment figures, he explained that of the College's \$6.6 million budget, some \$4.8 million is derived from general funds. In addition, the College has generated to date about \$1.4 million in contractual funds for either resident education, research or continuing education, and another \$410,000 of what is termed "basic funding in vocational education."

"At the same time last year, our total budget was approximately \$6.3 million, although our total restricted funds were about the same," Dean Hermanowicz said.

"And," he added, "even though I cut \$140,000 and six positions in the College of Education last year, our overall budget increased this year largely because of salary increases."

Turning to enrollment figures, Dean Hermanowicz told the faculty that the College anticipates its decrease in undergraduate enrollment will probably be less than the figures reported this week suggest (see related story on page 5).

"Our predictions are that we would have a 6.9 percent decrease in enrollment

on the undergraduate level from the Fall of 1980 to the Fall of 1981, but a slight increase in our graduate enrollment," he observed.

The 7.7 percent undergraduate enrollment decline probably will come closer to or even under the 6.9 percent projected decrease as we process students who change their majors."

Dean Hermanowicz explained that the College of Education traditionally has seen its enrollment figures increase during the Fall Term as a result of students changing their majors and transferring to the College of Education from other Colleges.

"Last year, the College of Education had a net gain of more than 100 undergraduate students resulting from this change-of-majors process," he noted.

He also pointed out that some 40 percent of the students taking undergraduate courses in the College are not "majors," and that the College does, indeed, provide "important service functions to the entire University that are not readily apparent in collegiate enrollment counts."

Graduate enrollments, the Dean said, are increasing slightly, "particularly because of increases in such programs as adult education, education theory and policy, and the instruction systems option in the Division of Curriculum and Instruction."

He further observed that the College has more than 35 doctoral and master's degree candidates enrolled full-time in the area of bilingual education under a special agreement with the Puerto Rico Department of Education.

Dean Hermanowicz also highlighted some of the achievements of faculty members during the past year.

"The heart of any college is its faculty, and the faculty of the College of Education continue to distinguish themselves, the College and the University," he said.

"For example, just this past year, more than a dozen books or monographs have been authored or co-authored by College of Education faculty members."

"And, as another example, the fifth edition of the *Encyclopedia of Educational Research*, soon to be published, will have an indelible Penn State College of Education stamp on it, not only because so many faculty contributions, but also because the team of Harold E. Mitzel (associate dean for research and graduate studies), John H. Best (head of the Division of Education Policy Studies) and William Rabinowitz (professor of educational psychology) gave the whole project form, direction and substance as its chief editors," he remarked.

Dean Hermanowicz also called attention to significant accomplishments of no less than 35 faculty members, with each of the College's five divisions making numerous noteworthy contributions.

Areas of major concern for the College, the Dean said, include the new political strategies or policies in Washington, with respect to education; the Pennsylvania Department of Education's redirection of teacher evaluation and certification standards; future retrenchment of the College; the need for a viable summer session in the conversion to a semester system; and its role in the presidential search process.

College priorities, he explained, should center on examining new thrusts in teacher education; additional four-year non-certification programs; extended degree programs to better serve the citizens of the Commonwealth across the state; to assure the successful operation of the College's new master's and doctoral programs in adult education and the doctoral program in educational theory and policy; to expand and improve research, development and experimentation in impacting on problems of schooling as well as on the training of education personnel, and to strengthen doctoral programs throughout the College.

Stressing again his optimistic view of the College and University's future, Dean Hermanowicz closed with five words:

"Let's have a good year."

Committee has funds for special programs

The University Committee for International Programs (UCIP) currently has a small amount of money that may be used by faculty members and departments to help defray costs of speakers, program development or proposals of an international nature. First priority will be given to interdisciplinary or inter-college programs or activities.

Funds should be requested at least 30 days prior to the activity by sending brief biographical data, program details, total costs and the amount requested to UCIP, 306 Willard Bldg.



Last Saturday, President Oswald and Dr. Clark Kerr, president emeritus of the University of California, toured the University's apple variety museum at Rock Springs. The museum—established in 1976 and named in honor of Dr. Kerr, who grew up on a Pennsylvania farm—contains 120 varieties of apples and eventually will include some 250 varieties, some of which are almost extinct.

Academic heads attend workshop

Critical issues in academic leadership provided the focus for Penn State's first University-wide workshop for recently appointed department heads held Oct. 1 and 2 at the Keller Conference Center.

"The workshop was the result of an in-depth review of effective departmental leadership requirements at Penn State," says Dr. Eugene J. Kelley, dean of the College of Business Administration and program chairman.

"It was sponsored by the senior academic officers of the University and was based on their recommendations as well as the findings of an intensive research effort."

The research included interviews with all academic deans at Penn State, several scholars of higher education, experienced department heads at the University, and a number of recently appointed department heads.

Based on the research findings, the workshop addressed critical issues in academic leadership such as recruitment, selection, and maintenance of a vital, productive faculty.

"More broadly," notes Dean Kelley, "the issues dealt with the development of academic vision and excellence."

Provost Eddy opened the workshop and comments by President Oswald closed a day-and-a-half intensive learning experience.

First was a case study presented by Dr. Louis Barnes, professor of organizational behavior at the Harvard Business School, on "Roles and Responsibilities of Academic Leadership."

Other workshop leaders included Dr. Joseph Dixon, head of the Department of Chemistry, speaking on "Factors Critical to Departmental Success." Dr. Charles Hosler, dean of the College of Earth and Mineral Sciences, led a session on "The Role of the Department Head: The Dean's Perspective." Dr. Fred Vondracek, associate professor and former head of Individual and Family Studies, discussed "Selecting and Recruiting Faculty." "Evaluating and Developing Faculty: The Team Approach," was the topic covered by Dr. Robert Stern, head of the Department of Psychology.

Consultation sessions with Dean Hosler, Dr. Dixon, Dr. Vondracek and Dr. Stern followed the presentations.

"This program was unquestionably developmental in approach," says Dean Kelley. "The research model was that which is used in executive management programs conducted in the College of Business Administration. My impression is that the workshop was successful. We tried to structure it so that it can apply to all department heads, not just new department heads. We're gathering reactions now from the participants to see what direction to take in the future."

Among the early reactions to the workshop is a comment by Dr. John S. Patterson, head of the Humanities

Division at Capitol Campus, who said, "I was impressed by the imaginative overall design of the conference and by the quality and effectiveness of the individual speakers."

Dr. G. Phillip Cartwright, head of the Division of Special Education and Communication Disorders, added, "There was evidence of recognition by the central administration of the importance of department heads within the University structure."

In addition to Dr. Patterson and Dr. Cartwright, the participating department heads included:

Dr. George Andrews, Department of Mathematics; Dr. Peter D. Bennett, Department of Marketing; Dr. Maureen Carr, School of Music; Dr. Samuel M. Curtis, Department of Agricultural and Extension Education; Dr. John A. Dutton, Department of Meteorology; Dr. Gerald Eggert, Department of History; Dr. Harold L. Gilmore, Division of Business Administration, Capitol Campus.

Dr. Ernest Lovrie, Religious Studies; Dr. Jerrold W. Maddox, School of Visual Arts; Dr. Christopher K. McKenna, Division of Public Affairs, Capitol Campus; Dr. Richard L. McNitt, Department of Engineering Science and Mechanics; Dr. Joan M. Rinehart, Department of Nursing; Dr. Allen L. Sowsler, Department of Industrial and Management Systems Engineering; Dr. James G. Thompson, Department of Physical Education.

Dr. Charles T. Townley, head librarian, Capitol Campus; Dr. Hugh R. Urban, Individual and Family Studies; Dr. Carl Vaught, Department of Philosophy; Dr. Paul J. Wangness, Department of Dairy and Animal Science; Dr. William A. Welsh, Jr., Division of Science, Engineering and Technology, Capitol Campus.

"Many people worked hard to produce a successful workshop," notes Dean Kelley, and I appreciate the support of those who served with me on the Senior Academic Officer Study Group: Chester C. Gantt, assistant to the provost; Dr. Henry J. Hermanowicz, dean of the College of Education; Daniel T. Hopkins, assistant vice president and director of the Division of Continuing Education; and John M. Lilley, dean of Behrend College.

"Thanks also to Ray T. Fortunato, assistant vice president for personnel administration for serving as consultant to the study group and to Kent Addis, conference coordinator.

"The research and program development was handled by Dr. Kenneth R. Graham, acting assistant dean for continuing education and director of executive programs in the College of Business Administration; Trudy A. Smith, assistant to the dean in the College of Business Administration; and Albert A. Vicere, assistant director of executive education in the College."

William W. Scranton to speak

Capitol Campus to mark 15 years in special Convocation on Nov. 11

William W. Scranton, former Pennsylvania governor and U.S. Ambassador to the United Nations, will be the keynote speaker at the Nov. 11 Convocation marking the 15th anniversary of the University's Capitol Campus. As governor, Mr. Scranton provided the impetus for the founding of the campus at the former Olmsted Air Force Base facility in Middletown.

Joining Gov. Scranton on the platform at the 8 p.m. convocation at the campus will be Dr. Eric A. Walker, president emeritus of Penn State, who, as University president, worked with Gov. Scranton, the State Board of Education, the Olmsted Redevelopment Committee of the Harrisburg Chamber of Commerce and others to establish Capitol Campus.

Coleman Herpel, Capitol's first director and now director emeritus, and Dr. Robert E. McDermott, the first Campus provost, will represent Capitol's founding administration.

Representing the University will be President Oswald; Provost Eddy; Quentin E. Wood, president of the Board of Trustees; Ralph E. Peters, chairman of the Capitol Campus Board of Advisers; Dr. Theodore L. Gross, provost and dean of the Capitol Campus; and Dr. George D. Wolf, professor of American

studies and history and former dean of the campus faculty.

Platform party members from the state and federal government will be Dr. Robert G. Scanlon, secretary of education; State Senator George W. Cokos, State Representative Rudolph Dimini, and U.S. Rep. Allen E. Ertel.

Upon learning in 1965 that the base was to be phased out by the Defense Department and that the physical facilities were to be made available to the Commonwealth, then-Governor Scranton asked if Penn State would consider establishing a graduate center at Middletown.

On May 12, 1966, a total of 177.5 acres containing 16 major buildings was formally transferred to the University. Classes started Oct. 3, 1966.

Capitol Campus today is one of approximately 25 upper-division institutions in the country offering junior, senior and graduate level college courses. Capitol offers nine master's degree programs and seven undergraduate degree programs. In December, a Ph.D. program in political science will be offered in cooperation with the University's Political Science Department.

More than 2,500 students currently are enrolled, and there are 135 faculty members.

Animal abuse is Weather World topic

George P. Cave, who has served as a lecturer in English at the Altoona and DuBois campuses, will appear on WFSX-TV's Weather World this evening to present the views of a new organization, Trans-Species Unlimited.

Dr. Cave, founder and president of Trans-Species Unlimited, says the organization's goal is "to eliminate unnecessary animal abuse and suffering through education, investigation and direct action."

The group's name, he observes, reflects

its view that "the totality of living creatures on earth constitute an interconnected, organic network which man is part of, rather than in dominion over, and secondly, that moral concern for other creatures which are capable of suffering 'crosses over' species' distinctions to embrace all life."

Dr. Cave, who says he came to the animal rights movement through his interest in applied ethics, has published articles and reviews in *Clio*, *Environmental Ethics* and *Ethics and Animals*.

Additional information about Trans-Species Unlimited can be obtained by writing to P.O. Box 1351, State College, or by telephoning 238-0793.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 965-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m. Nov. 12, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (P5-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ADMINISTRATIVE SUPERVISOR, OPERATING ROOM, COLLEGE OF MEDICINE, HERSHEY Responsible to the assistant director of Nursing Services, Operating Room Complex for the operation of the operating room to maintain acceptable standards of nursing care and provide guidance and development to nurses and operating room technicians on a 24-hour basis. Bachelor of science degree in nursing or equivalency and current licensure to practice as registered nurse by the Pennsylvania State Board of Nurse Examiners, plus one to two years of effective operating room experience.

CLINICAL SUPERVISOR, OPERATING ROOM, COLLEGE OF MEDICINE, HERSHEY Responsible to the assistant director of Nursing Services, Operating Room Complex, for the day-to-day effective and efficient operation of the operating rooms to include planning and coordinating the daily schedule with the clinical director of the Operating Room or his/her designee. Bachelor of science degree in nursing or equivalency, and current licensure to practice as a registered nurse by Pennsylvania State Board of Examiners, plus one to two years of effective operating room experience.

ASSISTANT DIRECTOR, INTERNATIONAL STUDENT AFFAIRS, STUDENT AFFAIRS, UNIVERSITY PARK Responsible to the director of International Student Affairs for development and implementation of various programs and services. Bachelor's degree (or equivalent) with one to two years effective experience, or master's degree (or equivalent) with up to twelve months of effective experience. Experience in accounting, administration or business required, and an understanding of cross-cultural experiences desired.

MANAGEMENT SYSTEMS ANALYST, COLLEGE OF MEDICINE, HERSHEY Responsible to the manager, Management Systems, for the operations auditing activities of the hospital to include an independent appraisal of planning (short and long range), operational control, organizational structure, staffing and productivity, policies, procedures, accounting and other records, reports, and standards of performance for every hospital department. Bachelor of science degree in business administration or its equivalent plus two to three years experience in management and auditing activities, preferably in a health care facility.

Funding Sources

For further information, call 865-1375

(372-1) The Research Corporation is a non-profit foundation for the advancement of science and technology, serving educational institutions through grants and for basic research in the natural sciences. Its **Cottrell Research Grants** program supports basic investigations in the physical sciences at graduate institutions and public undergraduate universities. Preliminary proposals are required (3-6 pp.). Grants average \$10-15K, and range from \$2-20K. Brief guidelines are available and/or for additional information contact R. Scott Pryor (Allentown) (404-252-9377). (Ref. RC)

Penn State Intercom

Calendar group drops Block 45; studies other schedule options

The Calendar Conversion Council is studying several alternative "block" class schedules, after unanimously rejecting the proposed "Block 45" schedule.

Council, at its Nov. 5 meeting, voted to drop consideration of "Block 45" because of dissatisfaction and confusion by individual academic departments.

In its stead, Council received three other proposed schedules, Blocks 36, 42 and 47, all of which have 55-minute periods and period-and-a-half class meeting times.

Block 36 is set up in the traditional Monday, Wednesday and Friday sequence, with 55-minute classes, and

Tuesday and Thursday classes for a period-and-a-half.

Block 42 provides a Monday, Wednesday and Friday three-period sequence during the first two and last three periods of the day. The middle three periods are used to provide five three-period sequences distributed among five days of the week.

Block 47 provides for two- and three-hour laboratory sessions that are spaced evenly during the day. It also provides that most periods will be in the morning or early afternoon.

Council member James Dungan said that, as a result of the semester calendar, 65 percent of the classes would be three-credit courses and that the University would offer 50 percent more classes.

Concerning confusion regarding the proposed block schedules, he noted that the current term schedule has 866 options in which to schedule classes.

The Council reported that it used historical data on day scheduling, credit worth and departmental requests for periods in the day to provide information for developing the proposed schedules.

A memo of summary statements on the proposed class schedules notes that, as a result of the extra sections, "all schedules have Monday, Wednesday and Friday three-credit sequences and permit faculty members teaching two or three sections to have two days per week with no scheduled classes."

Council member Wendell Harris, head of the English Department, suggested that the proposed schedules be run through a computer to determine if there are enough facilities to house the increase in sections.

It also was suggested that Council attempt to determine how the various proposed schedules are accepted by faculty and students.

In other business, Council voted to communicate to the Faculty Senate its concerns about apparent increases in the number of credits which may be required to earn some Penn State degrees. Some students enrolled during the transition period, Council noted, may need

(Continued on page 4)

Libraries schedule term break hours

Pattie Library has announced that the Reserve Reading Room and East Pattie, except Microforms and Photoduplication, will remain open until 2 a.m. Monday, Nov. 16, through Friday, Nov. 20 (the actual nights are Sunday night through Thursday night).

There will be no circulation services after midnight and each floor open to the public will be staffed with an attendant except Third Floor, East Pattie. Since the last exam will be given at 6:50 p.m. Friday, Nov. 20, Pattie and branches will remain open until the normal closing of 9 p.m.

Pattie also will remain open until 10 p.m. Saturday, Nov. 14.

Term break hours are as follows:

Friday, Nov. 20, 7:45 a.m. to 9 p.m.; Saturday and Sunday, Nov. 21 and 22, closed; Monday-Wednesday, Nov. 23-25, 7:45 a.m. to 5 p.m.; Thursday, Nov. 26 (Thanksgiving), closed; Friday, Nov. 27, 7:45 a.m. to 5 p.m.; Saturday and Sunday, Nov. 28 and 29, closed;

Monday-Wednesday, Nov. 30-Dec. 2, 7:45 a.m. to 5 p.m.; Thursday, Dec. 3, resume regular hours.

Pollock Library will close at 9 p.m. Friday, Nov. 20, and reopen at 9 a.m. Thursday, Dec. 3.



The Founders Room, in the HUB restaurant complex

President cuts ribbon in HUB

President Oswald, joined by representatives of several student organizations, officiated during a ribbon-cutting Monday evening at Housing and Food Service Operations' new restaurant complex in the HUB. The ribbon-cutting — which also featured light snacks, beverages and an opportunity to tour the new facilities — marked the completion of the first phase of a renovation project that eventually will transform the entire ground floor of the HUB.

Now open, and rounding out the first phase of the project, is the Founders Room. It joins three areas which opened earlier this term, the Fast Break, the Greenhouse and the Food for Thought.

The Founders Room, open for lunch Mondays through Fridays from 11:30 a.m. to 1:30 p.m., features a self-service salad bar and table service for its other menu items.

Included on each day's menu in the Founders Room are two soup selections

(with all soups being the "made-from-scratch" variety) and six entree selections, served by student waitresses and waiters.

- The daily entree selections are:
- all-you-can-eat soup and salad bar;
- club sandwich, with ingredients varying from day-to-day;
- hot meat sandwich or a specialty dish such as quiche;
- hot casserole or other hot dish;
- and two deli-style, cold sandwiches, with the double choice changing daily.

With the exception of the all-you-can-eat soup and salad bar, each of the entrees includes a cup of soup.

The Founders Room also serves a variety of beverages and desserts, the prices of which are in addition to the cost of the entrees.

Next year, in the second phase of the renovation project, two additional units will join the four now operating in the HUB complex. These are Dough to Go and The Cellar.

Faculty members receive 19 Biomedical Research Support Grants

Twenty-five faculty members have been awarded nineteen one-year Biomedical Research Support Grants, ranging from \$6,800 to \$16,600.

"These funds are awarded to support lines of research relating to or contributing to the solution of human health problems," said Dr. Richard G. Cunningham, vice president for research and graduate studies, who administers the program.

A committee consisting of G.G. Ferguson (program director), R.J. Flipse, Penny Kris-Etherton, E.H. Ludwig-G.E. McClearn, A.T. Phillips (chairman), J.M. Tarbell, J. Ultman, and J.M. Warren reviewed and screened 52 proposals. Faculty members receiving awards and their proposal titles are:

Craig Baumrucker, associate professor of animal nutrition/physiology, "Lactating Mammary Tissue Amino Acid Transport and Intracellular Pools;" Robert Beelman,

associate professor of food science, Daniel Royse, assistant professor of plant pathology, and Sudhir Sastry, assistant professor of agricultural engineering, "Control of Aganin in Cultivated Mushrooms: A Model Study for the Removal of Naturally-Occurring Potential Carcinogens in Foods;" Paul Cornwell, associate professor of psychology, and Emerson Hibbard, professor of biology, "Behavioral and Anatomical Effects of Damage to the Visual System in Chick Embryos;" Philip DeShong, assistant professor of chemistry, "Selective Control of Insect Populations."

Terry Etherton, assistant professor of animal nutrition, "Mechanisms of Insulin Resistance in Non-Insulin-Dependent (Type II) Diabetes Mellitus;" Frederick McClearn, associate professor of veterinary science and director of the Centralized Biological Laboratory, "The Role of Idiotype Regulation in

Maternal/Neonatal Immune Interactions;" Richard Frisque, assistant professor of microbiology, "Host Range and Sequence Analysis of JC Virus Isolated from Human Kidneys;" Gary Fournier, assistant professor of nutrition science and Gerald McClearn, associate dean for research and graduate studies, "Genetic Influences on Zinc Metabolism;" Gordon Hamilton, professor of chemistry, "Cysteine Metabolism and Insulin Action."

Andrea Mastro, assistant professor of microbiology and cell biology, "Cellular Immune Responses and Tumor Promotion *in vivo*;" R. Nagarajan, assistant professor of chemical engineering, "Surface Chemical and Molecular Interpretation of Pulmonary Surfactant Performance;" Keith Nelson, associate professor of psychology, and Philip Prinz, assistant professor of communication disorders, "Early Reading and Writing in Deaf Children;" Robert A.

Schlegel, assistant professor of molecular and cell biology, "Membrane Fluidity of Normal and Pathological Erythrocytes;" David Shalloway, assistant professor of molecular biology, "Role of the Cellular Homolog of the Rous Sarcoma Virus Transforming Protein."

K.K. Shung, assistant professor of bioengineering, and T.M. Wilson, associate professor of veterinary science, "Ultrasonic Characterization of Atherosclerotic Lesions;" John Smith, associate professor of human nutrition, "The Role of the Golgi Apparatus in Retinol-Binding Protein Metabolism;" W.D. Taylor, professor of biophysics, "Mammalian Cell Mutagenesis by Carcinogenic Agents;" John Warren, professor of psychology, "Experimental Gerontology of Learning;" Robert Wideman, assistant professor of avian physiology, "Investigation of Bi-Directional Renal Tubular Phosphate Transport."

Penn Staters

Dr. James G. Beierlein, assistant professor of agricultural economics, was co-author of a selected paper presented at the third annual International Conference on Energy Use in Berlin, West Germany. The paper was entitled "Energy Management and Conservation in Food Processing."

Dr. John L. Brown, Jr., professor of electrical engineering, presented one of four invited lectures at the Fourth Aachen Symposium, "Theory and Applications of Signal Processing," at the Rheinisch-Westfälische Technische Hochschule in Aachen, Germany. The topic of his paper was "Multi-Channel Sampling and Reconstruction of Bandlimited Signals," a research area dealing with the distribution of sampling rate requirements over a number of independent linear time-invariant channels.

Burt Fenner, professor of music, has been chosen a recipient of the ASCAP Award for the fifth consecutive year. The award from the American Society of Composers, Authors and Publishers is given annually to approximately 100 American composers. Recipients are chosen by an independent panel of distinguished music scholars and educators who serve on the faculties of major music schools.

Dr. Ronald L. Filippelli, librarian and associate professor of labor studies, gave three lectures in Italy on the problems and prospects of the American labor movement.

He addressed the social science faculty of the University of Cosenza, the Centro Ricerche del Lavoro (Center for Labor Research) in Rome, and the Fondazione Pietro Seveso (Foundation for Documentation and Research on the Problems of the World of Work) in Milan.

Promotions

Faculty

Miriam C. Pastrick to assistant professor of communications at Behrend.

Staff Exempt

Norman Brown to textbook assistant — used books in Penn State Bookstore.

James T. Coutlangus to supervisor, Evening Pharmacy Services at Hershey.

Charles D. Geiger to supervisor, IV Addictive Center at Hershey.

Vivian M. Hammers to senior research aide in Agriculture.

Debra M. Lauderbaugh to supervisor, Outpatient Pharmacy Services at Hershey.

Obituary

Edgar O. Radeen, dining hall worker in Housing and Food Services from June 11, 1966, until his retirement July 1, 1978, died Nov. 3. He was 68.

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Dr. James Garbarino, associate professor of human development, and two graduate students, Florence N. Long and Janet M. Sebes, have edited a special edition of *Children and Youth Services Review*, a professional journal concerned with the welfare of young people.

The special issue is called "Knowledge in the Service of Children and Youth." Its focus is the link between research and its use by those who work with youth services. The articles deal with a wide variety of problems, ranging from reaching policy-makers to improving counseling.

Dr. Wendell V. Harris, professor and head of the Department of English, and **Dr. Stanley Weintraub**, research professor of English and director of the Institute for the Arts and Humanistic Studies, were among six American scholars who made presentations at the 1981 meeting of the Victorians Institute sponsored by Catholic University.

Dr. Harris discussed "Aestheticism as the Fortuitous Conflation of Alien Forces." Dr. Weintraub gave the principal address on "The Peacock in His Peacock Room: Whistler and the Aesthetic Rebellion."

Dr. Heinz K. Henisch, professor of the history of photography and a Fellow in the Institute for the Arts and Humanistic Studies, gave several lectures as University Distinguished Professor at California State University at Chico. During his stay, the exhibition, "Photography and Humor," prepared by him and several other photohistorians for the 1981 History of Photography Events, was on display. Dr. Henisch's appointment at Chico was jointly sponsored by that University's departments of Physics and Art.

Michael Lippincott to textbook specialist in Penn State Bookstore.

Robert K. Reese Jr. to assistant manager, Food Stores Building, in Housing and Food Services.

Staff Non-Exempt

Marilyn T. Downing to administrative aide in President's Office.

Clerical

Deborah Eckley to cashier — check cashier in Penn State Bookstore.

Diann L. Hower to secretary B in Health, Physical Education and Recreation.

Joan A. Thomas to secretary B in Continuing Education.

Jacqueline H. Wooden to secretary B in President's Office.

Technical Service

Anthony H. Omeis to horticulture aide in Agriculture.

Carpoolers

Nancy Knoffsinger would like riders from Zion or the Pleasant Gap area. She works from 8 a.m. to 5 p.m. in the Agricultural Administration Building. Call either 865-5419 or 383-2648.

Paul Petyak would like to share driving from Pleasant Gap. He works in the Mineral Sciences Building stockroom from 8 a.m. to 5 p.m. He can be reached at 865-4241.

Neda Wilson needs a ride from the Hilltop Trailer Park to the University. She works from 8 a.m. to 5 p.m. in Wagner Bldg. She can be reached at 863-3359 or 238-3643.

Dr. George R. Hudson, professor of education, received two honors at the annual convention of the Pennsylvania Personnel and Guidance Association (PPGA).

He received the "Outstanding Practitioner Award" from the Pennsylvania Association for Counselor Education and Supervision and the "Distinguished Service Award" from the PPGA.

Dr. Hudson, the founding president of PPGA in 1969-70, was honored by both groups for the excellence of his professional work in the preparation of counselors and for his continuing leadership in behalf of the counselors of the Commonwealth in diverse organizational roles.

Dr. Tony M. Lentz, assistant professor of speech communication, and **Jeanne M. Lutz**, instructor in speech communication, have been honored by the Speech Communication Association of Pennsylvania.

Dr. Lentz was presented the Emerging Scholar Award, which recognizes outstanding academic achievement by young Pennsylvania academics in the speech field. Ms. Lutz received the Carroll Arnold Distinguished Service Award. Named for Prof. Carroll C. Arnold, professor emeritus of speech communication, it is the highest honor the association confers on its members.

Bookshelf

Dr. Stanley B. Baker, associate professor of education in the Division of Counseling and Educational Psychology, is the author of a 300-page volume, *School Counselors' Handbook: A Guide for Professional Growth and Development*, published by Allyn and Bacon, Inc.

Dr. Baker's book is designed to provide school counselors with a systematic, do-it-yourself program for up-dating, evaluating and improving school counseling skills while on the job. Included in the book are timely discussions of recent trends in guidance, such as career education, advances in improving the counseling process, and psychoeducation.

Also covered are self-assessment tools, learning activities for improving counseling skills and competencies, and strategies for combatting constant guidance problems.

Dr. Gordon F. De Jong, professor of sociology and associate director of the University's Population Issues Research Center, is co-editor with Robert W. Gardner, research associate in the East-West Population Institute, of a 395-page volume, *Migration Decision Making: Multidisciplinary Approaches to Micro-Level Studies in Developed and Developing Countries*, published by Pergamon Press, Inc.

The book brings together for the first time various disciplinary perspectives on the migration decision-making process of individuals in families.

In particular, it provides a systematic review and evaluation of microlevel frameworks and models of the migration decision, examines empirical evidence from developed and developing countries to discover how well these models and frameworks explain migration behavior, and considers policy implications of the models, particularly for developing societies.

Dr. Peter B. Pfahf, retired professor of floriculture, is co-author with Dr. Elwood W. Kalin, professor of floriculture at Washington State University, of a new book, *American Style Flower Arranging*.

The book, published last month by Prentice-Hall, is described by Dr. Pfahf as "a comprehensive, illustrated introduction to the design and construction of flower arrangements for use in the American home."

Dr. Robert Lima, professor of Spanish and comparative literature, gave two invited lectures at Gettysburg College.

At the invitation of the Department of Spanish, he spoke on "The Theatre of Federico Garcia Lorca." Under the auspices of The Pennsylvania Humanities Council, of which he is a Fellow in the Invitational Humanist Program, he spoke on "What the Devil . . . The Infamous History of Satan."

Mrs. Eulalia G. Lombede, instructor in French and Spanish at the McKeesport Campus, presented an invited paper at the "Colloquy on Rene Guy Cadou" in Nantes, France. Her paper, "The Metamorphosis of Helen," studied the poet's transformation of his wife through the use of metaphors. Mrs. Lombede was the only participant in the three-day program, sponsored by the University of Nantes, Faculty of Letters and Human Sciences, who was not a French citizen.

Dr. Henry P. Sims Jr., associate professor of organizational behavior, was one of four outstanding Beta Gamma Sigma faculty members selected to participate in the Beta Gamma Sigma National Seminar at the University of Rhode Island. He discussed "Meeting the Productivity Crisis with New Relationships at Work." Beta Gamma Sigma is the national scholastic honor society in business and management.

American Style Flower Arranging, one of the few textbooks devoted to the teaching of this subject, is written for use by four-year and two-year college students, trade school and high school students, and garden club members.

The book reviews the history of flower arranging and discusses flower arrangement design and use of color in design. Plant materials, including their handling and care, are given. Included are designs for holiday arrangements and for home and church displays and arrangements of dried and silk flowers. The book also includes flower arrangements for competition.

Dr. Pfahf, who retired in 1979 after 31 years service, is author of an earlier book, *The Retail Florist Business*, now in its third printing.

Dr. Frank J. Swetz, professor of mathematics and education at Capitol Campus, is the author of *The Mathematics Laboratory in the Elementary School: What? Why? and How?*, published by Intergalactic Publishing Co., Westmont, N.J.

The book is a manual on the mathematics laboratory methods of instructing children and is intended for use by elementary school teachers and teachers in training. It discusses the philosophy and strategies of teaching mathematics to young children.

The development, organization, and management of a mathematics laboratory teaching situation is discussed in detail.

More than forty instructional schemes employing concrete-based learning activities are included for teacher use and adaptation. The material in the book is based on Dr. Swetz's experiences teaching young children and on his involvement in elementary teacher training at Capitol Campus.

Kern cafeteria hours change for term break

The term break schedule for the cafeteria in the Kern Graduate Building has been announced.

On Nov. 23, 24 and 25, the cafeteria will be open from 7 a.m. to 2 p.m. It will be closed all day on Nov. 26, 27, 28 and 29.

The cafeteria will reopen on Nov. 30, with hours from 7 a.m. to 2 p.m. through Dec. 2.

It will return to its regular hours, 7 a.m. to 6 p.m., on Dec. 3.

University Park Calendar

November 12-28

Special Events

Thursday, Nov. 12

Penn State Dames meeting, 7:30 p.m., Room 101 Kern.

URTC, Williams, *The Glass Menagerie*, 8 p.m., Pavilion Theatre.

Friends of the Museum, 8 p.m., Museum of art, Philip Grausman, sculptor, on "Discovering Form."

Friday, Nov. 13

Craft Demonstration, 11:30 a.m., Kern Lobby, Commonsplace Theatre, *Kramer vs. Kramer*, 7 and 9 p.m., Room 112 Kern.

Interlalia Folk Dancing, 7:30 p.m., HUB Ballroom.

URTC, Williams, *The Glass Menagerie*, 8 p.m., Pavilion Theatre.

GSA Coffeehouse, 8 p.m., Room 102 Kern. Labor Studies Club Film Festival, 8 p.m., HUB Assembly Room. "The Turnaround," "The Sky's the Limit," "With Babies and Banners," and "Crystal Lee Jordan." Also shown Saturday and Sunday at 8 p.m., HUB Assembly Room.

"Beat Alabama" Pep Rally, 8:45 p.m., Rec Hall.

Saturday, Nov. 14

Deadline to submit petition to Records Office to graduate in absentia in November.

Chinese Student Association film, 1:30 p.m., Room 112 Kern.

France Cinema, Visconti, *The Innocent*, 7 and 9 p.m., Room 112 Kern.

URTC, Williams, *The Glass Menagerie*, 8 p.m., Pavilion Theatre.

Labor Studies Club Film Festival, 8 p.m., HUB Assembly Room.

Sports: Football vs. Alabama, 12 p.m. Women's Volleyball vs. Pittsburgh, 8 p.m.

Sunday, Nov. 15

Commonsplace Theatre, *Kramer vs. Kramer*, 7 and 9 p.m., Room 112 Kern.

Labor Studies Club Film Festival, 8 p.m., HUB Assembly Room.

Monday, Nov. 16

Full Term classes end, 9:55 p.m.

Last day to sign Fall Term Emergency Loans, Room 106 Shields.

Early Registration for Winter Term, 1982, 8:30 a.m. to 4:30 p.m., Room 112 Shields. Continues through Nov. 20.

The University Readers, "The Little Prince" by Antoine de Saint Exupéry, 12:45 p.m., Room 309 Sparks.

France Cinema, Visconti, *The Innocent*, 7 and 9 p.m., Room 112 Kern.

Sports: Women's Basketball vs. Mt. St. Marys, 8 p.m.

Tuesday, Nov. 17

Early Registration for Winter Term, 1982, 8:30 a.m. to 4:30 p.m., Room 112 Shields. Continues through Nov. 20.

Final Examinations, through Nov. 20.

Wednesday, Nov. 18

Final Examinations, through Nov. 20.

Early Registration for Winter Term, 1982, 8:30 a.m. to 4:30 p.m., Room 112 Shields. Continues through Nov. 20.

Thursday, Nov. 19

Final Examinations, through Nov. 20.

Board of Trustees meeting, Faculty Bldg. A. Early Registration for Winter Term, 1982, 8:30 a.m. to 4:30 p.m., Room 112 Shields. Continues through Nov. 20.

through Nov. 20.

Friday, Nov. 20

Final Examinations.

Early Registration for Winter Term, 1982, 8:30 a.m. to 4:30 p.m., Room 112 Shields.

Board of Trustees meeting, Faculty Bldg. Craft Demonstration, 11:30 a.m., Kern Lobby. Shaver's Creek Environmental Center, Fireside Reading, 7-10 p.m., Environmental Center.

Interlalia Folk Dancing, 7:30 p.m., HUB Ballroom.

Sports: Men's Basketball vs. Athletics in Action, 8:10 p.m.

Saturday, Nov. 21

Sports: Football vs. Notre Dame, 1:00 p.m.

Sunday, Nov. 22

Shaver's Creek Environmental Center, Fireside Reading, 7-10 p.m., Environmental Center.

Monday, Nov. 23

Fixed date for meetings involving Commonwealth Campus faculty.

Tuesday, Nov. 24

Fixed date for meetings involving Commonwealth Campus faculty.

Thursday, Nov. 26

Thanksgiving Day, University offices closed.

Saturday, Nov. 28

Full Term Commencement, 10:30 a.m., Rec Hall.

Sports: Men's Basketball vs. Bloomsburg, 8:10 p.m.

Seminars

Thursday, Nov. 12

Organic/Inorganic Seminar, 9:35 a.m., Room 333 Whitmore Lab. Professor V. Jager, University of Wurzburg, on "Izoaxolines — Unique Alkaloid Analogues."

Ceramic Science 500 Seminar, 11 a.m.-noon, Room 301 Steidle Bldg. Dr. L. Bowen, GTE Laboratories, Waltham, MA, on "Zinc Oxide Varistors."

Anthropology Seminar, 3:30 p.m., 107 Carpenter Bldg. Joy Lightcap, Department of Anthropology, on "Child Abuse from a Sociobiological Perspective."

Physics Colloquium, 3:50 p.m., Room 117 Osmond Lab. S. Koenig, IBM Thomas J. Watson Laboratory, on "NMR Studies of Biological Molecules."

Acoustics Seminar, 4 p.m., Room 73 Willard Bldg. Dr. Robert T. Beyer, professor of Physics, Brown University, on "Understanding the Nature of Sound Absorption in Sea Water."

Fuel Science Seminar, 4 p.m., Room 301 Steidle Bldg. Dr. Ronald Liotta, Exxon Research and Engineering Co., on "Mechanism of Oxidative Weathering of Coal."

Schilling Science and Religion Seminar, 6 p.m. Cyprian Room, Nittany Lion Inn. Dr. Aston Drackman, retired associate professor of philosophy, on "Science, Poetry, Religion — A Unity."

Computation Center Seminar, 7:30 p.m., 108 Forum. Introductory Seminar on interactive computing with VM and CMS. Seminar continues Nov. 17, 19, 7:30 p.m. 108 Forum.

Friday, Nov. 13

Analytical and Physical Chemistry Seminar, 11 a.m., Room 333 Whitmore Lab. Paul Shapiro, on "The Effect of Wavelength on the Quenching of Aldehyde Excited States."

Computational Fluid Dynamics Seminar, 11 a.m., Room 102 Mechanical Engineering

Bldg. Dr. Harry A. Dwyer, Dept. of Mechanical Engineering, Univ. of California, on "Some New Numerical Methods of Old Problems in Fluid Mechanics and Heat Transfer."

Geography Department Coffee Hour, 3:45 p.m., Room 319 Walker Bldg. Ronald Eytz, associate professor of Geography, on "City Eching: The Remote Sensing of Urban Snow Scars."

Metalurgy Seminar, 2:15 p.m., Room 301 Steidle Bldg. Konrad G. Weil, visiting professor, Technische Hochschule-Darmstadt, on "Mass Spectrometric Studies of the Volatilization of Intermetallic Compounds."

Fuel Science Seminar, 4 p.m., Room 301 Steidle Bldg. E.T. McHale, Atlantic Research Corp., on "Formulation and Combustion of Coal-Water Slurry Fuel."

Engineering Science and Mechanics Seminar, 4 p.m., Room 152 Hammond Bldg. Dr. Umar Yuceoglu, Lehigh University, on "Some Problems of Composite Multilayer Cylindrical Shells."

Monday, Nov. 16

MCB Seminar, 4 p.m., Room 101 Althouse Lab. Dr. Allen Jacobsen, Dept. of Molecular Genetics & Microbiology, University of Massachusetts Medical School, on "A Function of Poly (A)?"

Entomology Seminar, 4 p.m., Room 204 Patterson Bldg. Priscilla Seymour, Dept. of Entomology, on "Effect of Glandular and Simple Hairs on Ovipositional Preference of *A. f. f. f.* on *Leucanthemum*." Lisa Lemie, Dept. of Entomology, on "Distribution of the Northern Fowl Mite *Ornithonyssus sylviarum* on Laying Hens and Evaluation of Visual Sampling Methods."

Industrial and Management Systems Engineering Seminar, 4 p.m., Room 319 Sackett Bldg. Robert C. Williges, Dept. of Industrial engineering and operations research, Virginia Polytechnic Institute, and president, Human Factors Society, on "Human Factors Considerations in Human-Computer Dialogue Design."

Tuesday, Nov. 17

MCB Seminar, 11 a.m., Room 101 Althouse Lab. Dr. Allen Jacobsen, Dept. of Molecular

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Genetics & Microbiology, University of Massachusetts Medical School, on "Birth, Death, and Mid-Life Crises of Shime Mold mRNA."

Inorganic/Organic Seminar, 8 p.m., Room 333 Whitmore Lab. Prof. George McLendon, Rochester University.

Computation Center Seminar, 7:30 p.m., 108 Forum. Introductory Seminar on interactive computing with VM and CMS. Seminar continues Nov. 19, 7:30 p.m. 108 Forum.

Thursday, Nov. 19

Computation Center Seminar, 7:30 p.m., 108 Forum. Introductory Seminar on interactive computing with VM and CMS.

Aerospace Engineering, 4 p.m., Room 212 Hammond. Robert C. Nelson, associate professor, University of Notre Dame, on "Boundary Layer and Side Force Characteristics of a Spinning Axisymmetric Body."

Exhibits

HUB Art Alley: Labor union memorabilia.

Kern Gallery: open Monday through Saturday, 8 a.m.-11 p.m., Sunday, noon to 11 p.m. Jack Troy, ceramics; Shirley Sturtz, drawings and watercolors; Bill Davis, drawings and watercolors.

Museum of Art: open 11 a.m.-4:40 p.m. Closed Mondays. Tours, Sundays, 1:30 p.m. Oriental Works from the Museum's Collection. Danish Ceramic Display. Gallery talk by William Hull in connection with Danish Ceramic Display, 10:30 a.m., Tuesday, Nov. 24.

Pattee Library: Richard Burke and Chuck Kullman, photographs, East Corridor Gallery. Todd Whitehill, paintings, open Nov. 17. Lending Services Lobby. Mary McGuire, pottery, Second Floor East and Main Lobby.

Visual Arts Bldg., Zoller Gallery: Gallery House: 9 a.m.-5 p.m., Monday through Friday, Saturdays, and Sundays, noon-5 p.m. Tony Ray-Jones, photo exhibition, "English Resorts."

Concert Choir to perform Friday

The new Penn State Concert Choir will give its first performance at 8:30 p.m. Friday, Nov. 13, in the recital hall of the Music Bldg.

Psalm settings by a variety of Baroque composers — Pitiotti, Lotti, Scarlatti, Schutz, Purcell and Handel — will comprise the first portion of the concert choir's program. These compositions, both a cappella and accompanied works, range from somber expressions of prayer to exuberant psalms of praise. Texts are in Latin, German and English.

The second and final part of the concert choir's program will consist of the longest of J.S. Bach's six motets, "Jesus, meine freude." Several of the 11 movements in the motet are based on the chorale "Jesus, meine freude" while others use biblical texts. The form of the composition is symmetrical — musical phrases from the first movement reappear in the last movement, phrases from the second movement are included in the second-to-last movement, and so forth.

The Penn State Concert Choir consists of 48 singers representing 24 majors throughout the University. D. Douglas Miller, associate professor of music, directs the concert choir. Dr. Miller also serves as director of the new Penn State Chamber Choir.

The free concert, sponsored by the University's School of Music, is open to the public.

Chinese scientists to discuss sports

Four sports scientists from the People's Republic of China will present a seminar on sport and physical education in their country at 10 a.m. Tuesday, Nov. 17, in Room 101 Kern Bldg.

The seminar is part of the scientists' four-day visit to Penn State, Nov. 15-18, as guests of the College of Health, Physical Education and Recreation. The visit is being coordinated by Dr. Richard C. Nelson, director of the Biomechanics Laboratory.

The scientists, all associated with the National Research Institute of Sports Scientists in Peking, are: Ma Bin, NRI director; Wang Ru-yang, associate research professor and head of the NRI's scientific research section; Chen Ming-da, associate research professor and deputy head of the NRI's mass sports research department; and Gao Ho, associate research professor.

Their visit is part of a 20-day tour of sports science facilities in the United States and Canada arranged by the American College of Sports Medicine.

Sculptor Grausman to lecture tonight

Sculptor Philip Grausman will present a slide lecture entitled "Discovering Form" at 8 tonight at the Museum of Art.

Mr. Grausman has taught at Pratt Institute and Cooper Union in New York, Skowhegan School of Painting and Sculpture, Dartmouth College (sculptor in residence), and Yale University.

The lecture is designed to illustrate as openly as possible a sculptor's full consciousness of his own sources, interests, techniques and discoveries over two decades of development. Admission is free and open to the public.

Donations used for ambulance

The University has a new ambulance, purchased with funds donated by Penn State alumni and friends. It replaces a 1974 model that no longer met accepted design standards.

"We operate to serve students on and off campus, but when other ambulance organizations call on us, we help with their calls too," says David J. Lindstrom, director of the University Ambulance Service.

The ambulance service is affiliated with the University Health Services.

It is staffed by two paid employees during daytime working hours and by trained student volunteers at night and on weekends. All University ambulance

personnel have at least the Emergency Medical Technician level of training. One is an active paramedic from the Allentown area.

The new ambulance, a 1981 model, was built from a van-type Ford chassis.

Our old ambulance lacked sufficient storage space for supplies and equipment," Mr. Lindstrom says. "It also lacked walk-through space for attendants. And it didn't have a good oxygen storage system."

The new ambulance will be used as a teaching aid. Students in emergency health care classes will be given training in its layout and the use of its equipment.

Blue Band to present Bandorama

The Penn State Blue Band will present Blue Bandorama IV at 8 p.m. Saturday, Nov. 14, in Eisenhower Auditorium. In addition to the Marching Blue Band and the auxiliary units, the concert will feature the Symphonic Blue Band in short pops concert and the Clee Club Hi-Lo's in a few light selections.

The marching band will feature the Blue Sapphire Lori Bowers, Touch of Blue (majorettes), the Blue Band Silks and Drum Major Rich Gorodetsky. Music includes special medleys of Penn State school songs and halftime hits from the current season. Music from the 1981 season includes "New York, New York," "My Favorite Things," "TV Commercial Medley," "Chimes Festival," "Brass Roots," "Barrum," "Russian Christmas Music," "Carmina Burana," "Fame," "Give it One," "National Spirit March," and "Slaughter on Tenth Avenue."

The program also includes a percussion feature, trumpet feature and trombone section feature. The Symphonic Blue Band will play "Chester" by William Schuman based on a Revolutionary War song; a medley of music from Bob Hope films, and "Norwegian Rhapsody" arranged by Clare Grundman and the finale of "Concerto for Trombone" by Leyden, featuring the entire trombone section.

Tickets at \$1.50 for adults and students will be on sale at Eisenhower Auditorium. Children under twelve will be admitted free. Recordings of last year's Bandorama will be on sale in the lobby.

The Blue Band is under the direction of Dr. Ned C. Dehl, assisted by Dr. Darhyl S. Ramsey, assistant director, and Richard Bundy, graduate assistant.

PENNARAMA link to be ready Jan. 1

The Board of Directors of Pennsylvania Educational Communications Systems (PECS) has set Jan. 1, 1983, as the date when the total statewide interconnection of cable systems will be in place for receipt of programming by PENNARAMA, Pennsylvania's Continuing Education Cable Television Service.

The first stage of the interconnection is complete, and PENNARAMA programming is now being provided 24 hours a day to more than 150,000 cable television households in over 60 communities in central and eastern Pennsylvania.

Dr. Robert J. Scannell, vice president and dean of the Commonwealth Educational System, said that the University is pleased with the developments to date, including especially the participation of other colleges and universities in the programming. He said that Penn State, during the past year, had taken several crucial steps to assure that its participation in PENNARAMA will match the potential of the system.

Two years ago Penn State and the cable industry signed an agreement to develop PENNARAMA. Penn State agreed to coordinate the participation of other colleges and universities through Learning and Telecommunications Services, a Division of the Commonwealth Educational System.

Calendar group

(Continued from page 1)

administrative assistance to insure that the conversion does not obstruct normal degree progress.

The Sabbatical Leave Committee submitted a tentative draft report which will be discussed at Council's next meeting. Academic deans and the Senate Faculty Affairs Committee will be asked to review Council's recommendations. A consolidated report will be sent to the President for consideration.

The Faculty Contracts Committee hopes to submit its report at the end of November. The committee has considered establishing a list of common elements to be included in all offer letters from academic officers to prospective new faculty members. The committee is considering a system of academic year (36 weeks) and extended year (48 weeks) contracts.

A draft schedule for calendar conversion is being reviewed and will be published in a future issue of INTERCOM. Council also:

- Announced it will appoint a committee to review University policy on committee of staff exempt, staff nonexempt, and clerical employees.
- George R. Lovette, assistant vice president for business, will chair the committee.

- Heard from the Summer Session Committee on budgetary issues. A subcommittee is considering a separate summer session budget for each college, with controls to assure that it will be used for summer instructional activities.

- Discussed the visit to Iowa State University where calendar conversion has taken place.

- Reported it will meet approximately every three weeks during 1982.

Phi Delta Kappa sends three to conference

Three State College men—Peter Carpenter, Paul Bingham and Frank Anthony—attended Phi Delta Kappa's 38th Biennial Council and Fifth International Conference on Educational Issues in Chicago Oct. 22-25.

The three men represented Penn State's chapter of Phi Delta Kappa, a professional educational fraternity dedicated to promoting quality public education. Penn State's chapter has members in Centre, Blair, Huntingdon and Mifflin counties.

Mr. Carpenter, principal of State College's Fairmount Elementary School, is president of the Penn State chapter, and Mr. Bingham, assistant principal of State College's Intermediate High School, is vice president for programs.

Mr. Anthony, professor emeritus of agricultural education at the University, is coordinator of region 6-B of the national fraternity.

Attending the conference were delegates from 546 chapters representing every state, Canada and several other countries. Organized in 1906, Phi Delta Kappa is celebrating its Diamond Jubilee anniversary. Its membership includes some 130,000 leaders from all levels of the education profession.

WPSX-TV production to be aired nationally

"Rural America: Coming of Age," produced by WPSX-TV, will be aired nationally this month by the Public Broadcasting Service, coinciding with the White House Conference on Aging which begins Nov. 30.

The program, hosted by veteran actor Lorne Greene, identifies important aging issues, including transportation, employment, housing, health, energy and loneliness, and examines innovative programs designed to deal with them. It will be aired on WPSX, Channel 3, at 9 p.m. Wednesday, Nov. 18, 11:30 a.m. Thursday, Nov. 26, and 6 p.m. Sunday, Dec. 13.

"Rural America: Coming of Age," was written and produced by Kathleen Pavello of Penn State Television. The documentary was directed by Keith Schneider, with videography by Bradley Babcock and sound by Jan Stief.



The Penn State Blue Band

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 665-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m. Nov. 19, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

CUSTOMER SERVICE REPRESENTATIVE, OFFICE OF PHYSICAL PLANT, UNIVERSITY PARK. Responsible to the supervisor of planning and scheduling for Physical Plant/Customer liaison. Obtains project details following project requests from customers. Prepares estimates identifying manpower and materials necessary to complete a project. Coordinates and schedules facilities, designs, materials, and trades with both customers and OPP personnel. Associate degree or equivalent technical training such as an apprenticeship in a building trade, plus two to three years' experience in estimating construction and maintenance work for the building trades. Public relations skills essential.

WRITER-EDITOR, COLLEGE OF AGRICULTURE, UNIVERSITY PARK. Responsible to the director of Agricultural Communications. Edit journal articles, technical and other manuscripts including resolving recommended changes with authors in conference, and coordinating design and layout. Process publications in production. Handle creative writing projects, including special newsletters, publications, reports, and feature articles. Edit materials prepared by research and extension faculty. Participate in evaluation of publications, direct mail, and other written communications. Work with design staff in getting coordinated letterheads and similar materials. Bachelor's degree in communications area and one to two years of experience are required.

AREA REPRESENTATIVE, COMMONWEALTH EDUCATION SYSTEM, BERK CAMPUS. Responsible for the functions of development, organization, operation, and administration of Continuing Education programs and services within an assigned geographic district. Bachelor's degree or equivalent, plus two to three years of directly related experience or a master's degree or equivalent, plus one to two years of directly related experience.

PROGRAMMERS, MANAGEMENT SERVICES, UNIVERSITY PARK. Analyze and design or modify program logic; prepare and interpret general and detailed flow charts and structure charts; code program instructions; prepare test data; test programs and program systems; document programs and program systems; prepare or modify JCL. Bachelor's degree or equivalent in Computer Science or related field plus six to nine months of experience are required. Proficiency with COBOL on third generation

computer equipment is desired. Fixed Term I positions beginning January, 1982, for a period of 15 months to two years.

APPLICATIONS PROGRAMMER/ANALYSTS, MANAGEMENT SERVICES, UNIVERSITY PARK. Responsible for the analysis, design, and programming required in the development and modification of computer programs. The individual will conduct interviews with systems users, perform feasibility studies, and investigate alternative modes of data handling in gathering necessary data to support system design recommendations for systems modification or to support the project leader's design efforts in systems development. Bachelor's degree or equivalent in basic computer systems and one to two years of effective experience in computer programming and analysis are required. Strong experience in COBOL or IMS/DC is desired. Fixed Term I positions beginning January, 1982, for a period of 15 months to two years.

SYSTEMS ANALYST, MANAGEMENT SERVICES, UNIVERSITY PARK. Responsible for assisting customers/users in defining information-handling problems, in assessing plausible alternative technical solutions, and in specifying system designs which can be effectively implemented within the processing technologies available to Management Services; also responsible for planning and assigning work to programmer/analysts and programmers and assisting in their education program. Specific functions of this position include fact-finding data gathering and analysis, task planning, cost-benefit and feasibility studies, systems documentation, information flow and utilization analyses, etc. Bachelor's degree or equivalent with training in computer systems and systems planning, plus two to four years of effective experience in data processing. Applications experience in IMS/DBDC is desirable. Fixed Term I position beginning January, 1982, for a period of 15 months to two years.

Funding Sources

For further information, call 865-1375

(373-1) The Resource Information Service (RIS) provides information to faculty and staff to support project funding for instruction, research, continuing education and for fellowships. RIS is the liaison between Penn State and the Office of Federal Programs (OFP), Washington, DC. OFP provides Penn State with continuous monitoring of public and private agency programs. RIS reviews information from numerous sources including the Federal Register and the Commerce Business Daily and receives direct agency mailings. RIS makes information distributions to Penn State to provide an awareness of public and private programs, responds to faculty/staff inquiries about programs and program contacts, and through a Preliminary Proposal Outline (PPO) mechanism, helps locate project support funds with the assistance of OFP and Penn State's Office of Gifts and Endowments (OGE). For detailed information about available RIS assistance, contact M. R. Kohler, 5 Old Main, 814-863-0715.

Penn State Intercom

State's investment for higher education yields high rate of return

Every dollar Pennsylvanians invest in their colleges or universities returns \$1.70 to the state's economy, a new study shows. The 70-cent net return adds about \$1.7 billion annually to Pennsylvania's economy.

"The research indicates that higher education is a valuable asset to Pennsylvania's economy — in fact, it is one of the state's major industries," said John W. Ingram, director of the State Division of the Pennsylvania Economy League (PEL), a non-profit, citizen-supported public affairs research agency.

Ingram, on Tuesday in Harrisburg, reported results of the PEL's 14-month study, "Higher Education and the Economy: A Survey of the Impacts on Pennsylvania's Economy of Its Colleges and Universities."

The study, Ingram added, is believed to be the first of its kind for a major state. Combining data for 125 public and private institutions from 1979-80, the study found that:

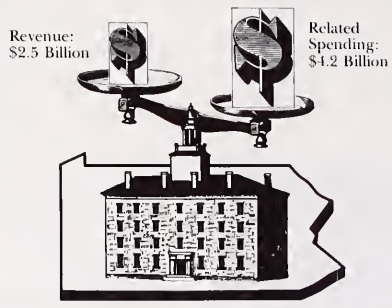
- Revenues originating in Pennsylvania from all public and private sources for Pennsylvania's higher education institutions amounted to \$2.5 billion in 1979-80. Spending in Pennsylvania related to higher education was \$4.2 billion, a return of \$1.70 to the economy for every dollar invested.

- The impact of spending by colleges and universities, their employees and students, and by persons employed in the Commonwealth's higher education agencies was \$3.8 billion (excluding capital outlays) — three percent of total retail, wholesale and service industry sales in Pennsylvania in 1979-80.

- Among the major classes of non-government employers, higher education, with 102,000 faculty and staff employees, is the state's 13th largest employer.

- Spending related to higher education

Higher Education's Net Contribution to Pennsylvania's Economy: \$1.7 Billion



For fiscal year 1979-1980

creates an additional 74,876 jobs statewide. The number of higher-education-related jobs thus totals 177,432 — accounting for one of every 27 persons employed in Pennsylvania.

- With an annual payroll of nearly \$1.5 billion for its 102,000 direct employees, higher education has the ninth-largest non-government payroll in Pennsylvania. Its payroll is ranked above those of such industries as food and kindred products, trucking and warehousing, business services, chemicals and allied products, food stores and mining.

- Total payroll for the 177,432 employees related to higher education was almost \$2.5 billion in 1979-80. This

sum represents \$3 of every \$100 of income earned by every worker and owner in all of Pennsylvania's employment sectors except agriculture.

- Total deposits in Pennsylvania financial institutions made by educational institutions, full-time faculty and students and by related businesses were more than \$1.1 billion in 1979-80, helping to expand the credit base for citizens and businesses.

- For every \$1 spent out-of-state, Pennsylvania's colleges and universities brought back \$2.02. In 1979-80, this ratio yielded a net gain of nearly \$500 million in out-of-state money imported into Pennsylvania's economy.

- Capital expenditures by higher

education institutions totaled \$212 million in-state during 1979-80. Two-thirds of it went for new construction, renovation or acquisition of buildings and land. One-third went for the purchase of new equipment from Pennsylvania businesses.

- Although considered to be tax exempt, a number of institutions reported paying federal, state and local taxes in 1979-80 totaling \$3.25 million. The lion's share — \$2 million — went to local governments. In addition, institutions reported paying \$1.1 million in direct user fees to governments for such services as water, sewer, and trash collection.

"It was not possible," Ingram pointed out, "for the study to take into account all of the impacts which higher education has on the economy of Pennsylvania. It does not tabulate the economic contributions of such typical higher education services as conferences and seminars, professional advising, technical assistance, consulting, testing and formal research activities."

"Most persons think of colleges and universities solely as centers for teaching and research," he added. "Their direct economic role as operating enterprises — which is considerable — is often overlooked."

"Those who provide financial support to assure the sustenance and growth of Pennsylvania's colleges and universities as teaching and research centers — alumni, corporations, philanthropies, taxpayers, legislators, government agencies, students and their families — must be kept aware also of the practical economic stakes involved."

The PEL's study was commissioned by the Pennsylvania State Board of Education and the Pennsylvania Higher Education Assistance Agency, with coordination from the Pennsylvania Association of Colleges and Universities. The study was partly supported by the Buhl Foundation of Pittsburgh.

Special convocation at Capitol Campus marks 15th anniversary

More than 500 persons attended the special convocation Nov. 11 marking the 15th anniversary of the Capitol Campus.

Former Governor William W. Scranton, who was instrumental in the development of the campus, delivered the keynote address which focused on the history and motivating factors for higher education

that led to the establishment of Capitol Campus.

"We do not have the best system in the world, but we do have an extraordinary pluralistic system of higher education in the Commonwealth," Gov. Scranton told the convocation gathering.

"What is happening at Capitol

Campus," he said, "isn't done yet. We all know that. We have here an institution that is in the process of building a science and technology building and I am thrilled to see it . . . they are about to begin a Ph.D. program in political science . . . and this particular institution is accentuating business administration and is now establishing an MBA program."

The pluralistic system of education is in place, he added. "Now all we have to do is take it and make it the best there is anywhere at a cost that people can afford."

Other speakers at the convocation were Quentin E. Wood, president of the University's Board of Trustees; President Oswald; Ralph E. Peters, chairman of the

Capitol Campus Board of Advisers; Dr. Eric A. Walker, president emeritus, who was president of the University when Capitol Campus was founded, and Dr. Theodore L. Gross, provost and dean at Capitol.

Also representing the University on the platform were Provost Eddy Coleman Herpel, founding director of Capitol Campus; Dr. Robert E. McDermott, provost at Capitol from 1972 through 1978, and Dr. George D. Wolf, professor of American studies and history and the first faculty member at the campus.

Representing the federal and state governments were U.S. Rep. Allen E. Ertel, and State Senator George W. Gekas.



Participants in Capitol's special convocation were, left to right: Dr. Theodore L. Gross, President Emeritus Walker, and former Pennsylvania Governor Scranton.

Parking regulations are in effect for term breaks

University Park parking rules and regulations are in effect year-round, including term breaks, parking coordinator Allan Derzak reminds faculty and staff members.

The regulations specify that vehicles with current faculty-staff parking permits must be parked in the assigned parking area or in one of the designated "open"

parking areas between 7 a.m. and 5 p.m. Mondays through Fridays.

After 5 p.m., vehicles with current permits may be parked in any bonafide parking space, including individual reserved spaces, visitor spaces, 15-minute spaces or any other reserved space, with the exception of 24-hour spaces as indicated on the individual reserved sign.

Penn Staters

Dr. Eugene N. Borza, professor of history, was one of seven scholars invited to participate in a symposium, "Alexander of Macedon," at Harvard University.

Cosponsored by several Harvard departments and institutes, the symposium drew specialists in art, archaeology, history and literature to discuss aspects of Alexander the Great's impact on the Mediterranean basin and western Asia. Dr. Borza's paper, "The Second Coming of Philip and Alexander," provided an analysis of the contemporary Greek political exploitation of the legends of Philip II and Alexander the Great.

"Art in Byzantine Society: Motive Forces of Byzantine Patronage" was the topic of a Main Paper (Hauptbericht) delivered by **Dr. Anthony Cutler**, professor of art history, at the XVI International Congress of Byzantine Studies in Vienna, Austria.

Dr. Cutler's attendance at the Congress followed a 10-week research tour through Europe, where he studied late antiquities and early Byzantine ivory carvings in private collections, museums and cathedral treasuries. His research was funded by a fellowship from the Institute for the Arts and Humanistic Studies and a grant-in-aid from the American Council of Learned Societies.

Dr. Michael W. Ecker, assistant professor of mathematics at the Worthington Scranton Campus, has been appointed to an advisory panel to the Mathematical Association of America High School Contest Committee. Function of the panel

is to propose and evaluate challenging problems and solutions for three annual contest exams, including the USA Mathematical Olympiad, which is used to identify the best high school math students in the country.

Dr. J. Cordell Hatch, professor of agricultural communications, was in Swaziland, South Africa, during October to help develop a teacher training program. He participated on a U.S. Agency for International Development project paper design team and was responsible for specifying the educational resources, facilities, and equipment needed for teacher training.

Dr. Jan S. Prybyla, professor of economics, presented a paper on "United States and China's Industrial Modernization" at a conference on the "U.S. and China's Modernization" at Princeton University on Nov. 5.

Dr. Daniel Walden, professor of American studies, presented an invited paper on "Richard Wright and Arthur Miller, Technology and Values, the 1930s and 1940s" at Interface '81, hosted by the Southern Technological Institute in Marietta, Ga.

At the Utopian Studies Conference at Virginia Polytechnic Institute and University, he discussed King Champ Gillette, inventor of the first successful safety razor and proponent of a utopian world corporation and national city, called

"Metropolis," which was his solution to the urban crises of the late nineteenth century.

Dr. Eric A. Walker, professor emeritus, has been named chairman-elect for Section M, engineering, of the American Association for the Advancement of Science.

In January, Dr. Walker will become chairman-elect for the first year of a three-year term. He will serve as chairman in the second year and as retiring chairman in the third year. He previously

was representative-at-large for Section M.

Dr. Stanley Weintraub, research professor of English and director of the Institute for the Arts and Humanistic Studies, is co-editor of the revised edition of *The Portable Oscar Wilde* (Penguin Books) with the late Richard Aldington, who edited the original in 1944. The revised edition includes many documents and letters that have surfaced since that time, including the unexpurgated text of Wilde's notorious prison letter, "De Profundis."

25-year chair

William E. Mosso, assistant director for Continuing Education at Behrend College, has had a very healthy career at the University: during his 25 years with Penn State, he has not missed a single day due to illness.

Mr. Mosso, who likes to joke about starting his University tenure in "the dog house" (his first office was in the Behrend faculty's former dog kennel building), is now the senior field representative in Penn State's Continuing Education network. As such, he is responsible for adult education programs in Erie, Crawford and Warren counties.

In recognition of his contributions during his 25 years of service, he received a special resolution of tribute from the Behrend faculty. In the tribute, it is noted he is known in Erie professional circles as "Mr. Continuing Education."

At Behrend, he has been instrumental in the formation of the summer Management Development programs, which have produced some 3,500



William E. Mosso

graduates and which are recognized statewide.

Mr. Mosso also has worked with numerous representatives from business and industry, setting up a wide variety of programs to meet their specific needs.

Promotions

Staff Exempt

Ursula Gusse to manager — HUB Food Service in Housing and Food Services
Ruth Luse to janitor foreman in Physical Plant.

Staff Non-Exempt

Glenn A. Pankuch to senior research technician at Hershey.

Clerical

Karen E. Derstine to customer service clerk A in Bookstore.
Tammy J. Fritz to medical records clerk/receptionist at Hershey.
Stacey Kelley to secretary B in Health,

Physical Education and Recreation.

Selena M. Meyer to clerk, accounting A in Human Development.

Betty Jane Powley to teller in Controller's Office.

Helen M. Rudolph to accounting clerk in Gifts and Endowments.

Mary F. Tier to clerk, production A in Housing and Food Services.

Judith K. Weigel to secretary B at Hershey.

Technical Service

Robert W. Brouse to office duplicator operator in Student Affairs.

Genevieve B. Culp to residence hall utility worker in Housing and Food Services.

Donald Schreffler to senior operating mechanic in Physical Plant.

middle-class women and members of minority groups.

Written for a popular audience, the study is, nevertheless, a serious and comprehensive treatment of issues which concern both women and men from traditional religious backgrounds who are caught up in the social revolution caused by the entry of larger and larger groups of women into the work force. The authors of *Christian Women at Work* develop a theology of work and discuss the meaning of work and its relation to creativity. Such practical issues as the changing role of women, decision-making, discrimination, loneliness, stress, coping, and managing time also are treated.

Co-author of the book is **Martha G. Stout**, executive assistant to the president of Gordon College in Massachusetts. Ms. Stout has an M.A. in English from Penn State.

Obituary

Martin Simcikso, residence hall maintenance worker in Housing and Food Services from 1967 until his retirement Jan. 1, 1978, died Nov. 8. He was 68.

Staff Development

Fifteen staff employees are graduates of the Oral Communications/Talking With People Course, which is designed to help participants learn the basic principles of effective communication, and offers an opportunity for inter-personal communication, interviewing, and public speaking.

Completing the course were **Dorothy Carolus**, associate housekeeping supervisor, Housing and Food Services; **Elmer Cartwright**, assistant housekeeping supervisor, Housing and Food Services; **Charles Croyle**, design and engineering estimator, Office of Physical Plant; **Robert Fooks**, design and engineering estimator, Office of Physical Plant; **Erna Hamilton**, assistant housekeeping supervisor, Housing and Food Services; **Robert Harris**, central control system coordinator, Office of Physical Plant.

Andrew Petkac, senior housekeeping supervisor, Housing and Food Services; **Louis Plank**, supervisor, storeroom operations, Office of Physical Plant; **Jeanne Price**, employment specialist, Office of Personnel Administration; **Greg Ritchey**, senior engineering systems analyst, Management Engineering; **Dean Ross**, coordinator, special facilities, Office of Physical Plant; **Don Rote**, supervisor, trades, Office of Physical Plant.

James Scanlon, broadcast programming specialist, Continuing Education; **Jean Salvage**, administrative assistant, Office of Planning and Budget; **Janis Spalvins**, architectural designer, Office of Physical Plant.

The University offers the EXCEL Program as a training and development program for senior, career-oriented personnel. It is designed to enhance and improve the various relevant skills essential in the proper and effective performance of their jobs.

University employees who completed the course work during the past term include **Kathy Bailey**, accounting clerk. Secretary: **Doris Carter**, conference Secretary: **Continuing Education; Mary**

Grove, secretary B, Agriculture; **Judith Hand**, secretary B, Human Development; **Nancy Hatch**, secretary B, Pattee Library; **Nancy Hommel**, purchasing clerk, Business Services; **Nancy Igo**, secretary B, Student Affairs; **Miriam Johnson**, secretary B, Earth and Mineral Sciences; **Cynthia Krusch**, secretary B, Agriculture; **Cheryl Lucas**, secretary B, Office of the Registrar; **Kay McClellan**, secretary A, Human Development; **Cathi Moyer**, secretary B, Engineering; **Eleanor Sagnmiller**, senior clerk, Student Administrative Services; **Anne Smilowitz**, secretary B, Continuing Education; **Delphine Smith**, secretary B, Continuing Education; **Georgiann Wasson**, coding clerk, Controller's Office; **Donna Weber**, secretary B, Liberal Arts; **Martha Williams**, accounting clerk, Agriculture; **Janet Wolfe**, accounting clerk, Controller's Office.

Twenty-one employees have completed a course in Basic Supervisory Management.

Completing the course were:

Fayne Abel, accounting clerk, Engineering; **Cathy Arney**, secretary A, Agriculture; **Glynis Austin**, ticket manager, University Arts Services; **Mary Bayltes**, senior clerk, Continuing Education; **Terry Cofl**, service advisor, Business Services; **Ron Diehl**, supervisor, accounting files and multith, Controller's Office; **Laura Frye**, secretary B, Business Administration.

Debbie Fudrow, data entry assistant/programmer, Continuing Education; **Vickie Gerontonis**, secretary A, ARL; **Ivan Kagaris**, secretary A, Human Development; **Don Korman**, assistant bursar, Bursar's Office; **Becky Messing**, accounting general, Housing and Food Services; **Joan Miller**, secretary B, Continuing Education; **Shelly Miller**, secretary B, Continuing Education.

Diane Mullen, registration clerk, Continuing Education; **Teresa Reed**, secretary B, Engineering; **Joan Reish**, secretary A, Office of Planning and Budget; **Jean Rose**, secretary B, Business Administration; **Karen Sampsel**, senior clerk, Student Administrative Services; **Jim Stever**, accountant, Bursar's Office; **Lela Weavering**, secretary A, Education

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University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

November 19-December 3

Special Events

Thursday, Nov. 19

Final Examinations, through Nov. 20.
Board of Trustees meeting, Faculty Bldg.
Early Registration for Winter Term 1982, 8:30 a.m. to 4:30 p.m., Room 112 Shields.
Continues through Nov. 20.
Mathematics Colloquium, 4 p.m., Room 115.
McAllister Bldg. Prof. Kshusha Alladi, Institute for Advanced Study, on "Additive Functions and Analytic Number Theory."
Computation Center Seminar, 7:30 p.m., 108 Forum. Introductory seminar on interactive computing with VM and CMS.

Friday, Nov. 20

Final Examinations.
Early Registration for Winter Term 1982, 8:30 a.m. to 4:30 p.m., Room 112 Shields.
Board of Trustees meeting, Faculty Bldg.
Craft Demonstration, 11:30 a.m., Kern Lobby.
Aerospace Engineering Seminar, 4 p.m., Room 212 Hammond. Robert C. Nelson, associate professor, University of Notre Dame, on "Boundary Layer and Side Force Characteristics of a Spinning Axisymmetric Body."
Shaver's Creek Environmental Center, Fireside Reading, 7-10 p.m., Environmental Center.
Interluda Folk Dancing, 7:30 p.m., HUB Ballroom.

Sports: Men's Basketball vs. Athletes in Action, 8:10 p.m.

Saturday, Nov. 21

Sports: Football vs. Notre Dame, 1:00 p.m.

Sunday, Nov. 22

Shaver's Creek Environmental Center, Woods in Winter Nature Walk, 1-3 p.m., Environmental Center.

Monday, Nov. 23

Fixed date for meetings involving Commonwealth Campus faculty.

Tuesday, Nov. 24

International artifacts sale, 9 a.m. to 4 p.m. weekdays, Kern Graduate Building, through Dec. 15.

Fixed date for meetings involving Commonwealth campus faculty.

Thursday, Nov. 26

Thanksgiving Day, University offices closed

Saturday, Nov. 28

Full Term Commencement, 10:30 a.m., Rec Hall.

Sports: Men's Basketball vs. Bloomsburg, 8:10 p.m.

Sunday, Nov. 29

Winter Term Arrival Date.

Monday, Nov. 30

Pattee Library, Distribution of faculty spaces.
Winter Term, 7:15 a.m., C106 Pattee.
Seminar: Job Control Language (JCL) 7:30 p.m., Room 112 Walker Bldg. Continues Dec. 3, 7, 10, 14, 17. Registration: 863-0422.
Sports: Men's Basketball vs. Rider, 8:10 p.m.

Tuesday, Dec. 1

Winter Term Registration.
Continuing Education English and Mathematics Placement Examination, 6:30 p.m., Keller Bldg.

Wednesday, Dec. 2

Winter Term Registration.
Continuing Education Evening Class Registration, Noon to 8 p.m., 101 Kern.

Thursday, Dec. 3

Winter Term Classes Begin.
Continuing Education Evening Class Registration, 9 a.m. to 5 p.m., 101 Kern.
Physics Colloquium, 3:50 p.m., Professor U. Fano, University of Chicago.
Seminar: Job Control Language (JCL) 7:30 p.m., Room 112 Walker Bldg. Continues Dec. 7, 10, 14, 17. Registration: 863-0422.
Steven Smith, recital, 8 p.m., Music Bldg. Recital Hall.

day, 8 a.m.-11 p.m.; Sunday, noon to 11 p.m. Jack Troy, ceramics; Shirley Sturtz, drawings and watercolors; Bill Davis, drawings and water colors. (closes Nov. 20).

Museum of Arts open 11 a.m.-4:30 p.m.

Closed Mondays. Tours, Sundays, 1:30 p.m. Original works from the Museum's collections. Danish Ceramic Design. Gallery talk by William Hull in connection with Danish Ceramic Design, Tuesday, Nov. 24, 10:30 a.m.

Pattee Library: Richard Burke and Chuck Kullman, photographs, East Corridor Gallery. Todd Whitehill, paintings, Lending Services Lobby. Mary McGuire, pottery, Second Floor East and Main Lobby.

Visual Arts Bldg., Zoller Gallery: Gallery Hours: 9 a.m.-5 p.m., Monday through Friday, Saturdays and Sundays, noon-5 p.m. Tony Ray-Jones, photo exhibition, "English Resorts." (closes Nov. 20).

Invisions Gallery of Photography, 212 Arts Bldg.

Gallery Hours: Sunday and Tuesday, noon to 5 p.m., Thursdays, 7-10 p.m. Luciano Franchi De Alfara, III, photographs.

Exhibits

Kern Gallery: open Monday through Saturday.

Messiah sing-in to be held Dec. 6

The seventh annual "Messiah Sing-In" will be held at 3 p.m. Sunday, Dec. 6, in Schwab Auditorium.

The free event, sponsored by the University Choir, Nittany Valley Symphony Orchestra, the Office of Religious Affairs, and the Lutheran Student Association, is designed as an opportunity for community and campus

to come together during the holiday season.

The event annually attracts hundreds of people who are led by Raymond Brown, School of Music faculty member. The Sing-In gives them a chance to sing with a large orchestra and to sing whether or not they have a singing voice. One past participant said it was the first time he's ever seen a crowd get high on Handel.

Soloists are selected from both the University and the community. Persons interested in soloist roles should contact Professor Brown at 865-0431. Instrumentalists who are not members of the orchestra are also welcome to join the group for the Sing-In. There are no rehearsals, but musicians interested in playing should be at the auditorium on Sunday by 2:30 p.m.

Architectural exhibit will open at Museum

The exhibition, *Architectural Fantasy and Reality: Drawings from the Accademia Nazionale di San Luca in Rome, Concorsi Clementini 1700-1750*, will open at the Museum of Art on Dec. 6. The exhibition will be on view through Jan. 31, except for the holiday break, after which it will travel to the Cooper-Hewitt Museum, the Smithsonian Institution's Museum of Design, where it will be on display Feb. 16 through May 2, 1982.

Included are seventy-eight prize-winning drawings from the Accademia di San Luca's (founded 1596) design competitions named for Pope Clement XI, an active patron of the academy. None of the drawings has been previously exhibited in this country.

Among the architects represented are Carlo Stefano Fontana, Bernardo Antonio Vittone, Carlo Marchionni, and Filippo Juvarra. A scale model of one of Juvarra's projects was built for the exhibition by Gil R. Smith with the assistance of Christine Challingsworth, graduate students in art history.

The exhibition, selected by Dr. Hellmut Hager, head of the Department of Art History, will be accompanied by a fully illustrated, scholarly catalog written by Dr. Hager and a group of his graduate students. A series of lectures also is being arranged.



The Broadway Marionettes are featured in A Christmas Carol

A Christmas Carol set for Dec. 6

Over 100 life-sized marionettes will be featured in the Artists Series presentation of the musical adaptation of Charles Dickens' immortal holiday classic, *A Christmas Carol*. The marionette extravaganza will be presented for two performances on Sunday, Dec. 6, at 3:00 and 7:30 p.m. in Eisenhower Auditorium.

Known all over the country for their musical presentation of *Pinochio*, the Broadway Marionettes have been touring the United States and Canada with their puppet magic since 1965. The *Pinochio* production has been presented from the Huntington Hartford Theater in Los Angeles to Madison Square Garden in New York City.

In response to a growing interest by presenters all over the country, the Broadway Marionettes created this new marionette musical, *A Christmas Carol*, for presentation during the holiday season. "Since the Dickens' short story is truly a fantasy," notes master puppeteer Charles Budrow, "it was only natural to come up with a version for puppets. Unlike real actors, ours can appear and disappear, fly, turn cartwheels in mid-air and everything

else a child expects and understands."

Designer and stage manager Alan McMullen explains, "The ghosts multiply, Marley must appear and disappear like magic, and the whole Dickensian world must seem dreamlike to the audience. Particularly when children are involved, our fantasy play must truly be fantastical and that's why puppets work so much better than people."

Actual traditional Christmas carols have been added to the show for all of the audience to sing and enjoy. "As an important part of this performance," adds Budrow, "we wanted to get the whole family involved in the production. While the show is non-secular in nature, we think the spirit of the holiday season is, nevertheless, captured by the play."

Group sales are now available by calling 865-1871, 9:00 a.m. to 4:00 p.m., weekdays. The general ticket sale begins Tuesday, Dec. 1, at 9:00 a.m. at the HUB Booth and Eisenhower Auditorium. Phone orders on MasterCard and Visa may be placed by calling 863-0255 during sale hours.

Pivot poetry magazine is available in area

The newest edition of *Pivot*, the "little poetry magazine," is now on sale in State College and at the University.

Pivot is marking its 30th year of publication, and the new issue—Number 31—is dedicated to the late Katey Lehman of State College—"poet, columnist and staunch friend of *Pivot*."

Pivot's editor, Joseph L. Grucci, is a retired associate professor of English. The new issue contains 45 contributions from poets across the nation.

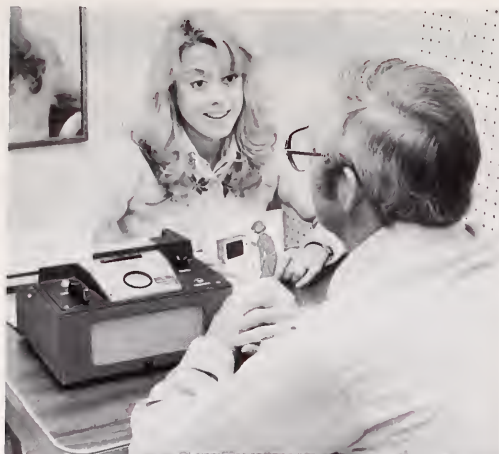
The issue carries poems from a number of Penn States: Jack Manis, John Haag, John Balaban, Sandra Nestlerode, Brian Shoemaker and Cary Holladay. Over the years, *Pivot* has earned a critical reputation that extends far beyond Penn State. Mail orders can be placed for the new *Pivot* by writing: Joseph L. Grucci, editor, 221 S. Barnard St., State College, Pa. 16801.

International artifacts to be on sale in Kern

An exhibition and sale of international artifacts will begin at the Kern Graduate Commons Nov. 24 and continue through Dec. 15.

Items included in the exhibition are leather coin purses from India, baskets from Indonesia, carved wooden animals from Kenya, silver jewelry from Mexico, and jade earrings from Taiwan. Other artifacts from Bangladesh, Colombia, Hong Kong, Jordan, Korea, Peru, Philippines, and Sri Lanka are represented in the exhibition.

Items may be purchased from 9 a.m. to 4 p.m. Monday through Friday at the Kern Graduate Commons Information Desk.



Cyndy Constantine, graduate student in communication disorders, works with a client at the Speech and Hearing Clinic.

Faculty members receive awards

Three College of Business Administration faculty members have been named winners of the Master of Business Administration Association's annual Excellence in Teaching Awards.

Dr. Stewart W. Bither, professor of marketing, Dr. John Russell Ezzell, associate professor and head of the Department of Finance, and Dr. Ronald J. Teichman, assistant professor of accounting, were honored at a banquet given by the Student MBA Association.

It was Dr. Bither's fourth time to receive the award. Dr. Ezzell and Dr. Teichman have each won it twice.

The recipients are chosen through analysis of the MBA students' written course evaluations. The evaluations are reviewed by officers of the MBA Association along with Dr. Michael P. Hottenstein, faculty director of the MBA Program, and Charles F. Maguire, assistant director.

University is hosting credit unions

The University is hosting the National Credit Union Financial Management School through Nov. 20.

The school is designed for credit union managers and others responsible for making financial decisions for credit unions. It is sponsored by the Credit Union National Association, Inc. Approximately 50 persons are expected to attend from credit unions east of the Mississippi River.

"We're pleased that this school will be held at Penn State for the first time," says Dr. John R. Ezzell, head of the Department of Finance in the College of Business Administration. "It reflects well

on the University that the resources can be assembled here to provide an intensive week of schooling for credit union executives.

"We believe that our participation in programs such as the Financial Management School enables us to do a better job in our teaching and research activities."

Two Penn State faculty members are on the faculty, which includes experts from various universities, financial institutions and credit unions. Dr. J. Randall Woolridge and Dr. William A. Kelly, Jr., assistant professors of finance, are the Penn State representatives.

Anybody There?

To the Faculty and Academic Administrators:

"Graduates of Penn State, we really don't care about you at all."

That is the message that we as a faculty convey at commencement after commencement to the students receiving degrees from our University. Excluding those who must attend the ceremonies (the platform party, college deans, marshals, and very few others), faculty participation in the academic procession has numbered 10, 24, and 6 at the winter, spring, and summer, 1981.

commencements. From a faculty of 1,800 at the University Park Campus, this is appallingly low.

Following four years of undergraduate studies, or a variable number of years of more intensive graduate studies, we as a faculty and as individuals should want to congratulate and acknowledge our graduates for their achievements. Each of the students has worked hard to earn his or her diploma, surely far more of us can find the several hours it takes to recognize

these young men and women.

It seems to me that a mandatory part of the job of each Department Head should be attendance at graduation ceremonies. In addition, any adviser who has a student receiving an advanced degree should be expected to attend that ceremony. If a policy of having only one additional faculty member from each department were to be initiated, along with participation of all academic administrators across the campus, the faculty procession would be truly impressive. Even though we tend to dismiss showiness these days, the pomp and ceremony of a university commencement still has its rightful place.

I urge each of my colleagues to reconsider participation in the academic procession. It is my fervent hope that we will tacitly indicate (by our presence at commencement) to our graduates, their parents, and friends that we do, indeed, care about them and their achievements. The Fall Term commencement will be held Saturday, Nov. 28, in Rec Hall. Please join me in the academic procession. E. Alan Camerono, Associate Professor of Entomology

Speech and Hearing Clinic gives variety of training and service

For more than 40 years, the College of Education's Speech and Hearing Clinic has provided vital, hands-on training for students of audiology, speech pathology and education of the hearing impaired.

It also has served the community — about 1,500 children and adults with speech or hearing problems last year alone.

"Its primary purpose is to support the academic training and research of the communication disorders program," says Dr. Bruce M. Siegenthaler, professor-in-charge of the program. "We're not trying to compete with other providers in the field. The clinic is our laboratory demonstration facility."

Located in Moore Building, the clinic has individual and group treatment rooms and observation facilities, hearing testing suites, a medical examination room, a speech science laboratory, classrooms and offices.

The clinic, which serves community members, University staff and students, is part of the College of Education's Division of Special Education and Communication Disorders. The division head is Dr. G. Phillip Cartwright.

Equipment available in the clinic includes a videotape recording system, diagnostic testing instruments, hearing measurement devices and an array of educational materials.

Undergraduate and graduate students (the trend in the field is a master's degree) get practical experience working with hearing-impaired children, the elderly and victims of strokes and head injuries, for example.

The service the students provide to the public, under supervision, is top quality. Dr. Siegenthaler notes. He adds Penn State's communication disorders program is one of few university programs in the country certified for the quality of both the training in speech and hearing and the professional service it provides.

"The fact that we are certified for both training and services certainly is a work of merit," says Dr. Siegenthaler. "It is an unusual situation."

The certifications are awarded by the Educational Training Board and the Professional Services Board of the American Board of Examiners in Speech Pathology and Audiology.

Debra R. Suffolk, who holds the newly-created position of coordinator of clinical experiences, explains students meet their required hours of clinical

practice by providing therapy to clients in the clinic's six programs.

"All of the practice the students do is under close supervision so that the public gets valid treatment," Dr. Siegenthaler says.

The Audiological Services Program, headed by Dr. Thomas A. Frank, does hearing testing and consultation and hearing aid assessment. Research is carried out on the development of hearing tests and on methods of prescribing, evaluating and fitting hearing aids.

The Child Diagnostic Program, under the direction of Dr. Stephen N. Calculator, evaluates speech, hearing and language disorders in pre-school and school-age children.

Children diagnosed as hearing impaired obtain speech and language therapy in the Hearing Impaired Child Therapy Program. The program, about one year old, is directed by Dr. Richard G. Stoker. Children diagnosed as having only speech or language problems enter the Child Speech Therapy Program, directed by Dr. Frederick F. Weiner.

The Adult Therapy Program serves adults over 16 on a part-time basis, or full-time during academic terms in which clients are housed in University residence halls. The program is under Mrs. Suffolk's direction. The University Program, headed by Dr. James V. Frick, provides examinations and therapy to University students and staff.

The University offered its first accredited courses in the speech and hearing field in 1936, and began offering clinical training for students in 1938.

Yearbook staff seeks campus photographs

LA VIE 1982, the Penn State yearbook, has announced the opening of a new gallery section. The staff of LA VIE 1982 is seeking 5 by 7 inch black and white photographs depicting some aspect of Penn State life for the new section.

Faculty and staff interested in submitting photographs should do so by Dec. 11 at the LA VIE office, 206 Hetzel Union Bldg. The photographs will be judged and the most appropriate selected for the yearbook.

For more information, pick up a specification sheet at the yearbook office or the HUB Desk or call 865-2602.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Nov. 27, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (FE-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

PROJECT ARCHITECT, OFFICE OF PHYSICAL PLANT, UNIVERSITY PARK Responsible to the manager, Architectural and Landscape Design and Engineering, for the development of drawings and specifications for maintenance, alterations, and selected new construction projects for The Pennsylvania State University, including development of details, selection of materials and construction methods and specifications. Bachelor's degree in the field of architecture, or architectural engineering, plus two to four years' effective experience as an architectural designer and draftsman, and a working knowledge of structural and

mechanical systems. Should be a registered architect, or equivalent.

MAINTENANCE FOREMAN, MONT ALTO CAMPUS Responsible to the business manager for the maintenance of the physical plant including scheduling and supervising employees. Maintain necessary records such as time cards, work orders, reports, show drawings and related data. Responsible for the campus water system. High school graduate with two years' vocational training or equivalent plus over two years' effective experience in building and grounds maintenance and construction. Supervisory experience highly desirable.

SENIOR PROGRAMMER/ANALYST, COLLEGE OF AGRICULTURE, UNIVERSITY PARK Responsible to the manager of Data Processing Services for assistance in the solution of computer data processing problems related to the research projects and for supervision of office staff. Develop new computer programs and upgrade, maintain and adapt existing programs. Plan logical steps to solution of problem, use of computer system components, input and output data formats and translate plans into computer instructions. Confer with project personnel to determine the objectives, anticipated results, and use of project data. Advise researchers in the design of survey forms, types of analyses possible and time requirements. Advise and assist researchers in the efficient execution and the debugging of programs. Act as a consultant on joint projects with other universities. Attend pertinent conferences and workshops. Bachelor's degree (or equivalent) with a major in mathematics, statistics, or computer science and two to four years of effective experience is required. Course work in linear algebra, numerical analysis, calculus, statistics, computer languages and systems programming is particularly desirable.

Penn State Intercom

Governor proposes transfer of hospital to University

In a move that "will significantly expand rehabilitation services to disabled people across Pennsylvania," Gov. Dick Thornburgh has proposed legislation to transfer the Elizabethtown Hospital for Children and Youth from the state Department of Health to the University's Milton S. Hershey Medical Center.

"Since this is the International Year of the Disabled Person, I can think of no more appropriate a time to take steps that will expand and strengthen the rehabilitation, therapy and medical services provided to disabled persons at Elizabethtown Hospital, a facility that is unique in the state," Gov. Thornburgh said.

Under the proposal, the state will lease the hospital to the medical center and provide a yearly operating subsidy of \$3.2 million pending construction of a new \$29.6 million hospital facility on the grounds of the medical center to be financed under the state's capital budget.

The purpose of the comprehensive rehabilitation center is to provide for the diagnosis, evaluation, treatment and

rehabilitation of patients who have physical or neuro-developmental disabilities.

The center will be operated from the Elizabethtown Hospital during construction of an addition to the Hershey Medical Center by the Commonwealth's Department of General Services. Upon completion of the addition, the entire Elizabethtown Hospital program will not only be moved to Hershey but also expanded. An annual appropriation for the operation of the Elizabethtown Hospital, as well as capital project funding for the construction at Hershey, will be provided by the Commonwealth — approximately \$46 million.

President Oswald expressed his extreme pleasure that Hershey Medical Center can meet the needs, as requested by the Commonwealth, in the development of a major rehabilitation center. "The focus of the Center's programs will benefit not only patients but also will make Penn State's College of Medicine at Hershey a finer educational facility," he said.

The legislation enacting this initiative will be sponsored by Rep. Kenneth E. Brandt (R-Lancaster), whose district contains Elizabethtown Hospital. The hospital is in the senatorial district of Clarence F. Manbeck, who also supports the transfer.

Commenting on the proposal, Rep. Brandt said, "I'm glad to see the Advisory Board taking a positive approach in seeing that the services at Elizabethtown will be expanded and continued. Most important is the fact that the dedicated employees at Elizabethtown will continue to be a part of providing these services as employees of the Milton S. Hershey Medical Center."

In addition, the proposal is being supported by the Elizabethtown Hospital Advisory Council, which will be retained by Hershey Medical Center.

Elizabethtown Hospital currently provides rehabilitation, physical therapy and surgical services to children age 18 and under with severe neuro-muscular and skeletal problems caused by birth defects or trauma.

When in full operation the new center

will provide comprehensive inpatient and outpatient services for adults as well as children. The existing programs for patients at Elizabethtown (spinal cord injury, complex orthopaedic problems, cerebral palsy, and pediatric head trauma) will be continued and hopefully expanded. Other programs and support services that have a major rehabilitation component, such as pulmonary medicine, will be phased into the Center when construction is complete.

Penn State has an active affiliation with the Elizabethtown Hospital for Children and Youth. Over a period of time Penn State medical faculty members have participated in the care of patients and in teaching medical students and resident physicians at the facility.

Gov. Thornburgh cited a number of advantages that will result from affiliating the hospital with Hershey Medical Center:

- Services, currently limited to children, will be expanded to cover disabled persons of all ages.
- The quality and scope of care will be enhanced by a full range of medical services available at the Hershey Medical Center.
- Greater economies will be realized through the consolidation of support services, and ultimately through construction of a modern, efficient new facility.

Under the terms of the legislation, the transfer will take place on July 1, 1982. Hershey Medical Center, as operator of the Elizabethtown facility, will continue to provide a proportion of services to persons who are unable to pay.

Each of the 200 current employees at Elizabethtown Hospital will be retained by Hershey Medical Center for an initial period following the transfer. Employees will be transferred to the Penn State payroll, and will retain full pension rights in the state retirement system.

University-wide computer position is established

A national search will be initiated to fill the University's newly created position of Director of Computer and Information Systems, and Special Assistant to the President.

"This important position was established," President Oswald said, "after wide-ranging discussions with many groups in the University community, including the University Faculty Senate."

"The new director will work closely with me and the senior officers of the University in developing and implementing comprehensive University-wide computing and information systems that will enable the University to keep pace in this complex and rapidly changing field."

Dr. Oswald said the director of computer and information systems (CIS) will be concerned with centralized operating units — Management Services, Computation Center, Library Information System — and with decentralized CIS facilities in college and Commonwealth Educational System locations.

The director will be responsible for guiding University CIS planning and development, including University data bases, codes and standards, communication systems and network design.

He or she also will evaluate requests for CIS equipment through an advisory committee and will make recommendations to the President for major acquisitions.

Other responsibilities include:

- Provide recommendations for using CIS solutions to administrative, instructional and research problems, and keep users posted on new developments in techniques and facilities.

- Monitor and coordinate CIS units to optimize services available.

- Monitor administrative centralized units and decentralized units, assessing performances in terms of cost effectiveness and user satisfaction.

- Monitor instructional and research applications in terms of progress toward academic goals, cost effectiveness, and faculty-student receptivity.

- Manage CIS related communication systems (telephone lines, cables, microwave), information systems software for academic and administrative communication uses, standards for terminals and related equipment.

- Coordinate administration of University data, and advise on data administration in decentralized units.

Directors of CIS units will report to

appropriate senior academic officers for normal operations and production, and to the new director for planning, acquisitions and leasing, coordination of CIS facilities, networks, data bases, data administration, codes and standards.

Qualifications expected include strong skills in management of computer facilities, and an understanding of University information system needs, both administrative and academic. Administrative experience at university/college level or industrial or government equivalent will be required.

Presidential search is proceeding on schedule

The search for a successor to President Oswald is proceeding on schedule, Board of Trustees President Quentin E. Wood said this week.

Mr. Wood made that statement following a joint meeting on Friday of the two committees conducting the search. The meeting was called to review procedures for the search and responsibilities of each committee.

It was the first time the two — the Trustee Presidential Selection Committee and the University Presidential Search and Screen Committee — have met together.

"Both committees are right on target," Mr. Wood said, referring to the timetable set up for the search earlier this fall.

That timetable was designed by the Selection Committee. Mr. Wood noted that the Selection Committee also has set up procedures for the search, appointed members to the Search and Screen Committee, and outlined qualifications that candidates for the presidency should have. The Selection Committee's next job, he said, will be to draw up guidelines for the interview process.

The Selection Committee's eight members are all Penn State Trustees. Its chairman is Mr. Wood.

The Search and Screen Committee has 15 members, all University faculty and

staff members, students, and alumni. Its chairman is Dr. Robert S. Friedman, professor of political science and director of the Center for the Study of Science Policy, Institute for Policy Research and Evaluation.

The Search and Screen Committee, Mr. Wood noted, is responsible for advertising the post, and seeking out, screening, reviewing and evaluating all applicants. In May, that committee will submit to the Selection Committee the names of up to 10

candidates deemed to be most qualified.

The Selection Committee will present a final recommendation to the full Board of Trustees in November.

"One strong theme in conversation at the meeting was that we really do intend for this to be a national search," Mr. Wood said. "That was included in the charge the Selection Committee originally gave to the Search Committee: to follow every lead to find the best possible candidates, no matter where they may be."

Drive aids former Nittany Lion mascot

A group of University students has launched a drive to raise money for the hospital bills of Norman Constantine, the Nittany Lion mascot for 1976 and 1979. Norm has been in a coma in a Philadelphia hospital since he was struck by a hit-and-run driver on Oct. 17.

Mary Beth Johnstone, a coordinator of the fund-raising project, says the students plan to conduct a phonathon from Dec. 14 to 17. A senior art major, she may be reached at 865-6070.

Checks should be made out to Associated Student Activities — Norm Constantine Fund. Contributions may be

sent to that fund at 202 Hetzel Union Bldg., University Park Campus.

While a student at Penn State, Norm was active in charities, and had a special interest in working with the handicapped. After graduating, he joined the United Cerebral Palsy Association of Philadelphia as a recreational therapist. He ran bowling, wheelchair track and field and other sports programs. He had a karate and martial arts program for the handicapped.

Norm is the son of Mr. and Mrs. Cy Constantine, 1822 Evars St. in Philadelphia.

University ranked with leaders in federal support for research

Of the nation's public universities, Penn State ranks eighth in the amount of federal support provided for research, President Oswald told Trustees.

Dr. Oswald and three other administrators presented to the Board "A Review and Analysis of Current and Future University Research Programs."

Citing the authoritative list of federal support to the top 100 public and private universities published by the National Science Foundation, Dr. Oswald observed that Penn State is ranked 20th. The rankings, he noted, are based on data from fiscal year 1978, the most current available.

The President also said that when inflation is taken into consideration, the University's funding for research is slightly above the level of 1971. He added that nationally, research funds are up only slightly from the level of a decade ago.

In his part of the presentation, Dr. Richard C. Cunningham, vice president for research and graduate studies, explained some of the consequences of federal reductions in research funding. He also outlined the importance of cooperation between industries and

universities in conducting research.

Dr. Cunningham said the University has taken three steps to cultivate cooperation between industry and the University in conducting research.

First, the University established the Office of Industrial Research in July, 1980. To date, the office has assisted in securing funding for four affiliates (industry) programs and has generated responses from some 170 companies and industries.

Second, the University has joined the newly formed Council for Chemical Research, and third, it has changed its patent policy and procedures to make them more flexible.

Rounding out the presentation were the University's two newest academic deans, Samuel H. Smith, Agriculture, and Wilbur L. Meier, Engineering.

Both highlighted recent trends and developments in their areas and outlined their concerns and goals for the future.

Holiday mail service changes to be made

During the period when offices are closed at University Park for the Christmas break, from 5 p.m. Wednesday, Dec. 23, to 8 a.m. Monday, Jan. 4, interdepartmental mail service, U.S. mail service and United Parcel service will be suspended.

If, however, a department has a special need for delivery of incoming U.S. mail on Dec. 24, 28, 29, 30 and/or 31, arrangements can be made for the U.S. Postal Service to deliver by calling University Mail Service, 865-4051, before 5 p.m. Friday, Dec. 11.

A department requesting this service is responsible: (1) for assigning an employee to be at work in the building at a specified time to receive the mail; and (2) for receiving all incoming mail for the building in which the department is housed.

The U.S. Postal Service will only sort incoming mail by building, not by department.

Trustees authorize sale of Harris Twp. land

Trustees have authorized the sale of a 7.69-acre tract of land in Harris Township, Centre County.

"The property, once the site of a ski lodge and recreational area, no longer is needed by the University," Robert A. Patterson, senior vice president for finance and operations, said.

The lodge burned down 30 years ago. Mr. Patterson said. The land originally was purchased from the Boalsburg Water Company and adjoins the water company's property and that of a private owner.

Mr. Patterson said that at least two potential buyers have expressed interest in the land. It will be sold either at public auction or by sealed bid.

Pianist Steven Smith will present recital

Ravel's "Gaspard de la Nuit," inspired by three poems of Aloysius Bertrand, will highlight a recital by pianist Steven Smith, associate professor of music, at 8:30 p.m. Monday, Dec. 7, in the Music Bldg. recital hall.

Dr. Smith also will perform Two Preludes by French composer Jean-Pierre Benoit, J.S. Bach's Italian Concerto, Beethoven's Sonata in A Major, opus 103 and the Scherzo in C Sharp Minor, op. 103 by Frederic Chopin.

The recital, sponsored by the School of Music, is free and open to the public.



President Emeritus Walker addresses Trustees after the unveiling of his portrait

1,800 receive degrees at commencement

About 1,800 students received degrees at Fall Term commencement exercises Saturday in Recreation Bldg.

Dr. Stanley F. Paulson, dean of the College of the Liberal Arts, spoke. President Oswald presented degrees under the authorization of Dr. Joel N. Myers, University trustee. Dr. Robert E. Dunham, vice president for undergraduate studies, presided.

Artists Series will present hit musical

One Mo' Time!, New York's red-hot jazz musical smash hit will be performed at Eisenhower Auditorium at 8:30 p.m. Wednesday, Dec. 9, under the auspices of the Artists Series.

The show turns back the clock to 1926, taking the audience behind-the-scenes where the likes of Bessie Smith, Ma Rainey, Bill "Bojangles" Robinson, and "Sweet Mama Stringbean" (better known as Ethel Waters) recreate a night at the legendary Lyric Theatre in New Orleans. Filled with sizzling songs, fancy dancing, and hot jazz the show features some two dozen memorable hits, such as "Darktown Strutters Ball," "A Hot Time in the Old Town," and "He's Funny That Way" performed by the talented gang of four backed by a lively New Orleans band known as the Blue Serenaders.

Tickets to *One Mo' Time!*, which is part of the Music Series, are limited to Section 1 and 3 seats only. These tickets will go on sale at the HUB booth and Eisenhower Auditorium on Monday, Dec. 7, beginning at noon.

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Overnight parking ban detailed

Overnight parking will be prohibited in most University lots from Dec. 1 through March 15, according to Allan A. Derzak, University parking coordinator.

Signs stating, "No parking 2:30 a.m. to 6 a.m.," will be placed at the entrance of lots affected. The regulation will be in effect if snow is on the ground or not.

Overnight parking will be permitted in

areas not posted for snow removal, but vehicles must be moved by 7 a.m. if the area is not an open lot, Mr. Derzak notes.

Open lots not posted for snow removal include Blue E, near the Computation Center; Red C, the gravel lot near the Foods Building; and Orange F, near the football practice field.

Included in the lots which are off limits to overnight parking are the Keller Conference Center parking area, visitor parking areas and the nursing education patient unloading area.

"When parking lines are covered by snow, the first few vehicles that are parked will determine how efficiently the remainder of the parking lot can be used," Mr. Derzak explains.

He suggests that persons parking in snow covered lots "take a moment or two and get out of their vehicles to clear a small section of lot to determine where the lines are."

Testing Services seeks Winter Term requests

Faculty members planning to bring work to University Testing Services (UTS) in Winter Term are asked to call 863-2802 and complete a term request as soon as possible.

Faculty members or teaching assistants who have never worked with UTS should attend an orientation session before completing a term request.

Orientation sessions are scheduled for 7:30 p.m. Monday, Dec. 7; 10:30 a.m. Tuesday, Dec. 8, and 3 p.m. Wednesday, Dec. 9, all in Room 173 Willard. Call 863-2802 to make a reservation for any of the sessions.

Sports professionalism examined by Colloquy

Dr. Allen L. Sack, director of the Center for Athletics' Rights and Education, will speak on "Professionalism in Intercollegiate Sports" at 7:30 tonight in the Main Lounge of the Hetzel Union Bldg.

The free talk is sponsored by the University's Colloquy Series.

On Friday, Dec. 4, Dr. Sack will conduct question and answer sessions for the College of Health, Physical Education and Recreation and the Department of Sociology.

Forms reminder issued by Controller

The Controller's Office reminds those employees who filed Earned Income Credit Advance Payment Certificate (W-5) or State Income Tax Non-Withholding Application (RIT-214) for 1981 that these forms expire Dec. 31.

If you qualify and wish to continue your exemption, or if you are applying for the first time, you must file a W-5 and/or RIT-214 prior to Dec. 21. Forms are available from the Payroll Department, Room 301 Shields Bldg.

Seminar series set on 'straight talk about sex'

"We believe religion should help us accept ourselves as sexual beings. Acceptance of ourselves without guilt is the goal of our program being held daily Dec. 7 through 11 in the HUB Main Lounge at 11:30 a.m.," says the Rev. Ned E. Weller of The United Ministry at Penn State.

"Straight Talk About Sex" is the theme for the daily presentations and evening seminars. The first program's speaker is Dr. Graham B. Spanier, professor of human development and sociology, on the topic "Pre-Marital Sex and the Sexual Revolution." The seminar is at 7:30 p.m. in HUB Room 324.

Dr. Edward W. Wickersham, associate professor of biology, will speak Tuesday, Dec. 8, on "Forms of Sexual Expression."

Dr. Steven Crain, clinical psychologist, will speak on Wednesday, Dec. 9, about "Sexual Dysfunction." That evening's seminar will be led by Dr. Wickersham. Some explicit films will be shown.

Thursday's program, on "Sexual Values and Guilt," will feature Dr. Robert A. Walker, assistant professor of health education, and Ms. Annette Ranck, clinical psychologist, as speakers. The evening seminar is in HUB Room 317.

Holiday shopping guide:

A browse through gifts available at University Park

The Museum of Art

Each holiday season the Museum of Art's gift store is filled with presents that say the magic of Christmas and this year is no exception. Items from all over the world that have been selected by Aviva Gorlow, gift store manager, occupy every corner of the store. Adjoining the Visual Arts Building, the store is open from 11 a.m. to 4:30 p.m., Tuesdays through Sundays. Closed Mondays. (Dec. 23 will be their last day for Christmas sales.) Some items may be available in limited quantities. For that special Christmas gift, choose from:

- Indian hand-woven cotton rugs in vibrant colors (\$23.75)
- Natural wool earth-tone tapestries from Peru (\$21)
- Replicas of antique weathervanes (\$14 and up)
- One-of-a-kind German nutcrackers (\$24.50 to \$40)
- Replicas of Chinese export porcelain (made for Historic Charleston and the Metropolitan Museum of Art) (\$19 and up). Whole sets are available.
- Decorative enameling on glass hanging plaques (\$10.50 and up)
- An array of decorative boxes (brass, petit point, wood, soapstone) (\$2.75 and up)
- Ceramic plates by Roger Zellner of the Art Dept., Altoona Campus (\$20, \$30, \$40)
- Antique prints (approx. 1843 to 1878) of Pennsylvania cities, towns and historical events (\$15 to \$35)
- "Scherebnitte" — framed scissor cuttings of Pennsylvania Dutch designs (\$15 and up)

The Museum has an unusual and unique collection of jewelry that is indicative of cultures from other countries to jewelry with artistic and historic expression from American craftsmen.

- Brass, silver, copper and enamel earrings (Assorted prices)
 - Sterling silver, enamel and stone (garnets, tigers eye, etc.) rings (Assorted prices)
 - Brass and copper purse necklaces from India (\$6)
 - Brass and sterling on brass kohl bottles from India (\$6.50)
 - Art Nouveau pewter pendants, key rings and picture frames (\$6 to \$9)
 - 18 kt. gold plate on brass museum replica pendants and pins, inspired by American iron hardware (\$12 to \$16)
 - Brass animal pins, crafted in Wisconsin (\$10)
 - Sterling silver snowflake from the Metropolitan Museum of Art, can be used as a pendant or an ornament (\$24)
 - Books at the gift store will both delight and surprise the book lover on your gift list with the wide variety of subjects they cover. Areas include photography, stencil design, needlepoint, art, quilting, and many others. Some examples:
 - For children, *Nutcracker Ballet — Cut & Assemble Toy Theatre*, complete with dolls and stages (\$3.95)
 - Paper doll books of John Wayne, Marilyn Monroe, Pavlova and Nijinsky, and others (\$2.75, \$2.95)
 - *Design and Chart Your Own Needlepoint* (\$2.95)
 - *Iron-On Transfer Pattern Books* (\$1.75)
 - *Great Luxury Liners — 1927-1954* (\$8.95)
 - *Steinlen Cats* (\$2)
 - *Women at Work — 153 Photographs* (\$6)
 - *Rembrandt Bible Drawings* (\$2)
 - *A Short History of Glass* (Corning Museum of Glass) (\$5)
 - *Wine and The Artist — 104 Prints and Drawings* (\$5.95)
 - *The Cookbook, from the Worcester Art Museum* (\$10.95)
 - *Victorian Fashions and Costumes from Harper's Bazaar 1867-1898* (\$8.95)
- The gift store has many different ideas for stocking stuffers for family and friends.

For children:

In the interest of making Holiday shopping easier, INTERCOM presents its third annual listing of gift ideas that are available at University Park. Sales locations will be open until Dec. 23 unless noted otherwise.

Compiled by Diane M. Lisko



Imported, hand-carved boxes in International Artifacts Exhibition and Sale

- Fiber Optic Wand (\$5, without batteries)
 - Sunprint Kit — make photographic type images without chemicals (\$2.40)
 - Touch Me — a liquid crystal toy (\$2)
 - Origami folding paper sets (\$2)
 - Miniature paint boxes from England (\$1)
 - Mini wooden birds from India (25c, 50c)
 - Mexican wooden jumping jacks (\$1)
 - Wooden bird whistles from China (60c)
 - Calligraphy sets (\$3.95)
 - Ikaso construction kits, an adult tinker toy (\$1.35 to \$5)
 - Small art subject trays from Italy (\$2)
 - Leather change purses from India (\$2)
 - Eight Baby pin cushion from China (\$3)
 - Bird, butterfly and fish pins from Japan (29c)
 - Wooden needle cases from New Hampshire (35c)
 - Zwiggles — whimsical wooden creatures to delight all ages (\$2)
- Special items to meet your holiday needs and to help you start the new year are also available:

- Museum art subject:
 - Christmas cards (25 for \$3.75 to 25 for \$8.50)
 - Wrapping paper (85c to \$1.50)
 - Notepaper (\$2.25 to \$2.95)
- Clay Christmas tie tacs, pins and earrings (\$2.50 to \$4.50)
- Engagement Calendars:
 - Metropolitan Museum of Art, *A Kingdom of Flowers* (\$6.95)
 - Smithsonian, *Birds* (\$6.95)
 - Philadelphia Museum of Art, *Fun and Games* (\$7.95)
- Metropolitan Museum of Art, *Unforgettable People* Address Book (\$12.95)
- Metropolitan Museum of Art, *Gardener's Diary* (\$12.95)
- Metropolitan Museum of Art, *Birthday Book* — a permanent record of birthdays (56.95)
- Ornaments for your Christmas tree:
 - Jack-in-the-box (\$2.70)
 - Red metal wagons (\$3.50)
 - Sports figure ornaments (\$5.50)
 - Chinese silk hand-embroidered rocking horses, birds, elephants (\$3 to \$5)
 - Train set ornaments (\$1.30)
 - Knit animals from China (\$3.25) and Peru (\$2.80)
 - Brass Long Life symbol (\$3.50)
 - Indian silk stuffed animals (\$1.50)
 - Wooden spinning wheels from New Hampshire (\$2.65)
 - Clay Dough Birds from Guatemala (\$1.75)

International Artifacts Exhibition and Sale

Sponsored by the Kern Graduate Commons, the International Artifacts Exhibition and Sale provides yet another source for presents from the four corners of the world. You can purchase silver jewelry from Mexico, carved wooden animals from Kenya, jade earrings from Taiwan, or leather coin purses from India, as well as artifacts from Jordan, Indonesia, Peru, Korea, the Philippines, Sri Lanka, Colombia, Hong Kong and Bangladesh. The sale will run through Dec. 15th. You can make your holiday selections of international artifacts from the showcase exhibit in Kern. Items may be purchased from 9 a.m. to 4 p.m., Monday through Friday, at the Kern Graduate Commons Information Desk.

Penn State Bookstore

To help the University community cut costs this Christmas, the Penn State Bookstore's fourth annual Faculty/Staff/Student Appreciation Sale will have savings on gifts, wrappings, books and more. The sale runs from Dec. 14 through Dec. 18 at each of the Bookstore's campus locations. All merchandise will be 20 percent off (excluding textbooks, calculators, and other limited items) and all Christmas items will be reduced 30 percent. They will also be offering non-text books and calendars at a 20 percent discount during the sale at the McAllister Building basement Bookstore location. For that Christmas present with the Penn State touch, check into the 20 percent discount savings at the Bookstore's Clothing and Gifts location on the main floor of the HUB. This location will also have a special sale table with further reductions.

Craft Centre

For presents that have been skillfully handcrafted and represent University talent, stop by the Holiday Instructors' Sale of the Craft Centre. Craft items and art work by instructors who are local artists or teach in the Art Department are on display in the Browning Gallery on the first floor of the Hetzel Union Building. Crafts featured in the sale include pottery (mugs, bowls, tea sets, sachet bottles); macramé; woven scarves; batik holiday cards; wheat weaving; drawings and silk-screen prints. The sale will be held on Dec. 14 and 15 from 10 a.m. until 4 p.m.

Greenhouses

Numerous varieties of plants await buyers at the University Greenhouses for decorating or gift-giving this holiday season. Red, white and pink poinsettias (\$1.50 and up) are available. Other traditional Christmas plants on sale include Christmas Cacti (\$3), cyclamen (\$6), Christmas cherry (\$1), kalanchoe (\$5), and Norfolk Island pines (\$3 and up). The Greenhouses will also offer gardenias (\$6, \$12), Reiger begonias (\$4.50, \$6.50), African violets (\$3.50), and glounia (\$3.50), along with other assorted plants. Prices of plants may vary according to size. The Greenhouses will also make some special arrangements upon request (865-2482). Prices would be quoted at the time of request. Sales take place in Headhouse 2, behind Tyson Building, Mondays through Fridays. Extended holiday hours, 10 a.m. to 4 p.m., are in effect through Dec. 23. The Greenhouses will also be open on two Saturdays, Dec 5 and 12, from 10 a.m. to 4 p.m.

Creamery

Already renowned for its tasty cheese, ice cream and other dairy products, Penn State's Creamery offers these specialties in a variety of gift ideas sure to make your Christmas entertaining and feasting especially delicious. Gift box assortments top the list of Creamery gift suggestions. Sure to delight the cheese connoisseur is a gift box assortment of Creamery specialties (cheddar cheese, smoked cheddar cheese, honey, cream cheese, and two cheese spreads) for \$13. Another gift selection consists of a University Creamery cutting board and a variety of cheeses for \$15. The cutting board may be purchased separately for \$9 or an alternate cutting board gift selection may be assembled with your own choice of items from the Creamery. Special shipping boxes for the cheese are furnished upon request. Ideal as a stocking stuffer or to accompany the gift box assortments is a wooden-handled cheese cleaver with the Nittany Lion etched on its stainless steel blade for \$3. The Creamery's famous ice cream will be available in two special flavors, rum raisin and eggnog, during the holiday season. Ice cream can be packed in dry ice for a small charge. Creamery hours are 7:30 a.m. - 5:30 p.m., Mondays through Saturdays, and 9:30 a.m. - 5:30 p.m. Sundays.

Poultry Sales

Christmas dinner just wouldn't be complete without a tender, juicy turkey and all the trimmings. To find the tastiest one for your holiday feasting, visit Poultry Sales. They have Christmas turkeys, ranging in weight from 8 to 18 pounds, roasters and eggs. Capons or pheasants will not be available this year. The sales room is located at the poultry farms (next to the outdoor swimming pool) and is open every Thursday from 10 a.m. to 3 p.m. During Christmas week, Poultry Sales will be open on Dec. 23.

The Penn State Press

Books are the type of Christmas present that keep on giving all year long — to be enjoyed before a cozy fireplace during the winter months or to be leisurely read on a bright summer's day. And the Penn State Press has a wide selection of books that are designed to inform and entertain. Their books are available to any faculty or staff member at a 20 percent discount year round. The following books are sold at special Christmas discount prices through Dec. 23.

- The 270 photographs reproduced in *A Pennsylvania Album: Picture Postcards, 1900-1930* capture a way of life in each of Pennsylvania's counties during

(Continued on page 7)

University Park Calendar

Winter Term 1981-82

Thursday, Dec. 3

Winter term classes begin.
Spring Term pre-registration accepted, Room 112 Shields, through Jan. 7.
Continuing Education Evening Classes registration, 9 a.m.-5 p.m., Room 101 Kern.
HUB Craft Centre class registration, noon-5 p.m., Room 312 HUB, through Dec. 10.
Physics Colloquium, 3:30 p.m., Room 117 Osmond U. Fano, Univ. of Chicago.
Job Control Language (JCL) Seminar, 7:30 p.m., Room 112 Walker. Continues Dec. 7, 10, 14, 17. Registration: 863-0422.
Sports: Swimming (women) vs. Syracuse & North Carolina, 1 p.m., (men) vs. West Virginia, 7 p.m.

Friday, Dec. 4

Shaver's Creek Environmental Center Holiday Party, 7 p.m., (members only).
Sports: Swimming: Penn State Relays, 1 p.m., trials, 7 p.m. finals. Wrestling: Penn State Invitational, 1 and 7 p.m. Ice hockey vs. Cortland State, 8 p.m.
Holiday Festival VIII, Opening Reception, 12:30 p.m., Kern Lobby.

Saturday, Dec. 5

AAUW Mini-Used Book Sale, 9 a.m.-5 p.m. Also Dec. 6, 12-5 p.m.
France-Cinema, Schindler, *The Tin Drum*, 6:30 and 9 p.m., Room 112 Kern. Also Dec. 7.
Sports: Swimming: Penn State Relays, 9 a.m., trials, 3:30 p.m. finals; Wrestling: Penn State Invitational, 1 and 7 p.m.

Sunday, Dec. 6

Shaver's Creek Nature Center Holiday Decorations workshop, 1-5 p.m. Registration: 865-1851.

Artists Series: "A Christmas Carol," 3 and 7:30 p.m., Eisenhower Auditorium.
Sports: Fencing (women) vs. Alumnus, 9 a.m.
Holiday Festival VIII, International Fair, noon-6 p.m., HUB Ballroom; Messiah Sing-In, 3 p.m., Schwab; International Art and Artifacts Exhibits, HUB Art Alley, through Dec. 13.

Week of Dec. 7

Monday, Dec. 7

International Programs Symposium, 11 a.m.-5 p.m., Room 101 Kern. "International Development: Are Women Losing Out?" Information: 865-5441.

Holiday Festival VIII, International Music, noon, Kern Lobby.

MCB Seminar, 4 p.m., 101 Althouse, Robert A. Schlegel on "Mercyenne 540: A Membrane Stain of Leukemia Cells and Immature Hematopoietic Cells."

Interdisciplinary Symposium, 8 p.m. presentation, Room 101 Kern. Madu Prakash, Ed. Theory and Policy, on "Ethical and Metaethical Relativism — A Consideration of Moral Relativism and Its Implications for Moral Education."

Graduate Women in Management, 7:30 p.m., Room 305 HUB. Mimi U. Coppessmith, President, Barash Advertising and Morgan Signs, on "The Business World: What to Expect."

Stephen Smith, recital, 8 p.m., Music Bldg. Recital Hall.

Tuesday, Dec. 8

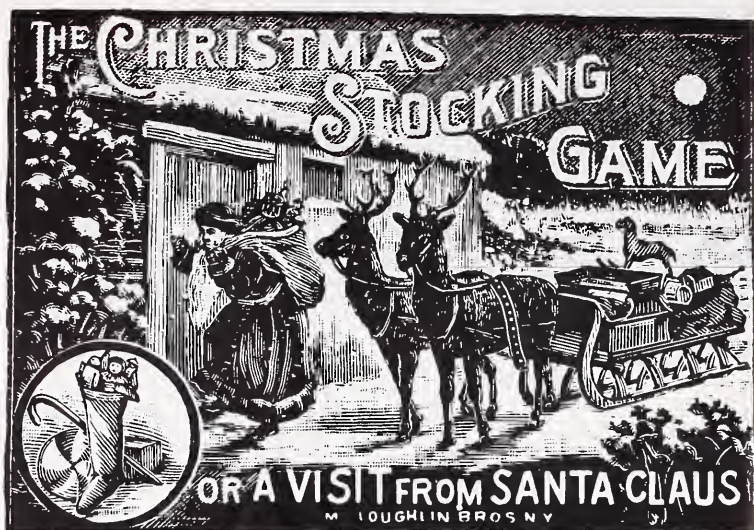
Holiday Festival VIII, International Music,

noon, Kern Lobby.
MCB Seminar, 11 a.m., 101 Althouse, Robert A. Schlegel on "Mercyenne 540 as a Probe of Lipid Bilayer Symmetry and Receptor-mediated Endocytosis."

Liberal Arts Brown Bag Seminar, noon, 124 Sparks. Stephen R. Couchon "More Cossacks of the Local Country: Pennsylvania Coal and Iron Police."

English Colloquium, 1-4 p.m., Room 301 HUB. Richard E. Young, Carnegie-Mellon Univ., on "Writing Can be Learned but it Cannot be Taught: Common Sense and Uncommon Knowledge."

Workshop, Assertive Training for Minorties, 7:30 p.m., Conference Room, Walnut Bldg. Dr. Howard Hall. Also Dec. 15.
International Student Affairs Lecture, 7:30 p.m., Room 112 Kern.



Wednesday, Dec. 9

Holiday Festival VIII, Holiday Plant Sale, noon-4 p.m., Kern Lobby; Czechoslovakian Dough Sculpture Demonstration Workshop, 7 p.m., Kern Lobby.

Commons Noontime Concert, holiday music, Kern Lobby.

Biology Seminar, 6th period, 8 Mueller Lab. Dr. Sievert Rohwer, Dept. of Zoology, Univ. of Washington, on "Deception and the Evolution of Animal Communication."

Campus Colleagues, 4:30 p.m., Nittany Lion Inn. "Conversation with members of the PSU Commission for Women."

Alard String Quartet, 8 p.m., Music Bldg. Recital Hall.

Artists Series, "One Mo' Time," 8:30 p.m., Eisenhower Auditorium.

Thursday, Dec. 10

Holiday Festival VIII, Holiday Luncheon, 11 a.m.-2 p.m., Kern Cafeteria; Linda Rossman, "Wheat Weaving," 11:30 a.m., Kern Lobby.

Film, "Make Mine Music," 6:30 and 8:30 p.m., Room 112 Kern.

Psi Delta Kappa luncheon, 11:30 a.m., 101 Kern.

Economics Seminar, 3 p.m., 101 Kern. Physics Colloquium, 3:30 p.m., 117 Osmond.

R. Parks, Univ. of Maryland, on "Surface Phase Transitions."
Department of Speech Communication lecture on computer literacy, 4 p.m., Room 112 Kern. Dr. Carolyn Marvin, University of Pennsylvania, on "Computer-Ease: A Twentieth Century Literature Emergent."

Friday, Dec. 11

Holiday Festival VIII, International Craft Demonstration, 11:30 a.m., Kern Lobby; Un-Common Snowflake Buffet, 6:30 p.m., Room 101 Kern.

Saturday, Dec. 12

Holiday Festival VIII, Children's Christmas Party, noon-3 p.m., Assembly Room, Walnut Bldg.; International Coffee House, 8 p.m., Kern.

Sports: Swimming (men) vs. St. Bonaventure, 2 p.m.

France-Cinema, Truffaut, *Jules and Jim*, 7 and 9 p.m., Room 112 Kern. Also Dec. 14.

Sunday, Dec. 13

Shaver's Creek Nature Center Holiday Decorations workshop, 1-5 p.m. Registration: 865-1851.

Holiday Festival VIII, Christmas Caroling Around Campus, 8 p.m., Eisenhower Auditorium.

Week of Dec. 14

Monday, Dec. 14

Late registration deadline.
Add deadline.
HUB Craft Centre Instructors' Holiday Sale, 10 a.m.-4 p.m., HUB Gallery. Also Dec. 15.

Tuesday, Dec. 15

Senate Committee on Faculty Affairs, 9:30 a.m., Room 101 Kern.

Senate Undergraduate Instruction Committee meeting, 9:30 a.m., Room 101-A Kern.

Liberal Arts Senators meeting, 11:30 a.m., Room 101 Kern.

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

College of Ed. Faculty Council meeting, 2:20 p.m., Room 101 Kern.

Artists Series film, "Aida," 8 p.m., Eisenhower Auditorium.

Wednesday, Dec. 16

Deadline for graduate students to pay thesis fee for March graduation.

Commons Noontime Concert, holiday music, Kern Lobby.

Paul Robeson Film Series, "Showboat," 7:30 p.m., Assembly Room, Walnut Bldg.

University Readers Christmas Reading, 7:30 p.m., Room 112 Kern. Dr. Tony Lentz, Dickens' "A Christmas Carol." Also Dec. 17.

Thursday, Dec. 17

Physics Colloquium, 3:30 p.m., Room 117 Osmond. A. Komar, Yeshiva Univ., on "Constrained Dynamical Systems."

Saturday, Dec. 19

Christmas and New Year's recess begins, through Jan. 3.
Sports: Basketball (women) vs. St. Joseph's, 2 p.m.

Week of Dec. 21

Monday, Dec. 21

Sports: Basketball (men) vs. Nebraska, 8:10 p.m.

Thursday, Dec. 24

University offices closed for holiday break through Jan. 3.

Week of Jan. 4

Monday, Jan. 4

Winter Term classes resume.

Tuesday, Jan. 5

Pass-Fail through Jan. 7.

Wednesday, Jan. 6

Commons Noontime Concert, Glenn Kidder. Kern Lobby.

Sports: Basketball (women) vs. LaSalle, 7:30 p.m.

Thursday, Jan. 7

Drop Deadline.
Spring Term pre-registration deadline.
Course Repeat Deadline.
Economics Faculty meeting, 3 p.m., Room 101 Kern.
Physics Colloquium, 3:50 p.m., Room 117 Osmond (TBA).
Slide Show, Felicia Bell, "Kenya, My African Experience," 7:30 p.m., Conference Room, Walnut Bldg.

Friday, Jan. 8

Sports: Gymnastics (women) vs. Michigan State, 8 p.m.; Ice hockey vs. Delaware, 9:15 p.m.

Saturday, Jan. 9

Sports: Swimming (women) vs. Brown, 1 p.m.; Volleyball (men) vs. Alumni, 1 p.m.; Ice hockey vs. Delaware, 8 p.m.; Basketball (men) vs. Philadelphia Textile, 8:10 p.m.

Sunday, Jan. 10

Artists Series: "The Best Little Wherehouse in Texas," 3 and 8:30 p.m., Eisenhower Auditorium.
Sports: Basketball (men) vs. South Florida, 8:10 p.m.

Week of Jan. 11**Monday, Jan. 11**

Interdisciplinary Symposium, 7:30 p.m., Room 101 Kern (TBA).

Wednesday, Jan. 13

Commons Nontime Concert: Richard Sleight, Kern Lobby.
English Colloquium, 8 p.m., Room 101 Kern.
Robert D.C. Downs, BBC Film, "Going Gently."

Thursday, Jan. 14

Physics Colloquium, 3:50 p.m., Room 117 Osmond. A. Redfield, Brandeis Univ., on "Pulsed Fourier Transform NMR and Transfer RNA."

UFCV David H. Bell, *Indian Summer*, 8 p.m., Pavilion Theatre. Also Jan. 15, 16, 19-23, 26-30.

Friday, Jan. 15

Artists Series, Paul Osborn, "Morning's at Seven," 8:30 p.m., Eisenhower Auditorium.
Sports: Basketball (women), Coca-Cola Lady Lion Classic, 6 and 8 p.m. Also Jan. 16.

Saturday, Jan. 16

Sports: Fencing (men) vs. Clemson, Columbia, North Carolina, N.C. State, Notre Dame, 9 a.m., (women) vs. Clemson, Cornell, North Carolina, Johns Hopkins, 9 a.m.; Swimming vs. Pittsburgh, 1 p.m. (women), 4 p.m. (men); Basketball (men) vs. Pittsburgh, 1:30 p.m.; Ice hockey vs. Canisius College, 8 p.m.

Sunday, Jan. 17

Sports: Bowling vs. George Washington, 1 p.m.; Ice hockey vs. Villanova, 3:30 p.m.

Week of Jan. 18**Monday, Jan. 18**

France-Cinema, Visconti, *The Stranger*, 7 and 9 p.m., Room 112 Kern.

Tuesday, Jan. 19

Senate Undergraduate Instruction meeting, 9:30 a.m., Room 101-A Kern.
Senate Council meeting, 1:10 p.m., Room 101 Kern.

HUB Craft Center Open House, 7:30 p.m., Room 312 HUB. Second session registration: 8:05-06:11.

Artists Series, Philadelphia Orchestra, Eugene Ormandy, conducting, 8:30 p.m., Eisenhower Auditorium.

Wednesday, Jan. 20

Commons Nontime Concert, Stan Shepherd, Kern Lobby.
Graduate Council meeting, 3 p.m., Room 101 Kern.

Penn State Credit Union meeting, 7:30 p.m., Room 101 Kern.

Thursday, Jan. 21

Liberal Arts Faculty meeting, 3 p.m., Room 101 Kern.

Physics Colloquium, 3:50 p.m., Room 117 Osmond. C. Patel, Bell Labs, on "Pulsed Optoacoustic Spectroscopy of Condensed Matter."

Friday, Jan. 22

Board of Trustees meeting, Faculty Bldg.
Sports: Gymnastics (women) vs. Florida, 8 p.m.

Saturday, Jan. 23

Board of Trustees meeting, Faculty Bldg.
Faculty Women's Club Midwinter Coffee, 9-11:30 a.m., Museum of Art.
France-Cinema, Truffaut, *The Last Metro*, 7 and 9 p.m., Room 112 Kern. Also Jan. 25.
Sports: Bowling—Penn State Lion's Pride Invitational, also Jan. 24; Gymnastics (men and women) vs. Ohio State, 8 p.m.

Week of Jan. 25**Monday, Jan. 25**

Sports: Basketball (men) vs. Syracuse (women), 6 p.m., (men) 8:10 p.m.

Tuesday, Jan. 26

English Colloquium, 8 p.m., Room 112 Kern.
Royal Shakespeare Company actors.

Wednesday, Jan. 27

Commons Nontime Concert (TBA).
Artists Series, Actor/Actors Royal Shakespeare Company, 8:30 p.m., Schwab. Also, 8:30 p.m., Jan. 29, 30.
Sports: Basketball vs. Temple (women), 6 p.m., (men) 8:10 p.m.

Thursday, Jan. 28

Physics Colloquium, 3:50 p.m., Room 117 Osmond. J. Tucker, Univ. of Illinois, on "Quantum-Limited Response of Non-linear Tunnel Junctions."

Friday, Jan. 29

Sports: Swimming (women) vs. Clanton, 6 p.m.; Gymnastics (men) vs. York (Canada), 8 p.m.; Ice hockey vs. Bowling Green, 9:15 p.m.

Saturday, Jan. 30

France-Cinema, Kurosawa, *Kagemusha*, 6:30 and 9 p.m., Room 112 Kern. Also Feb. 1.
Sports: Fencing (men) vs. Army and William Patterson, 11 a.m.; Bowling vs. Howard, 1 p.m.; Basketball (women) vs. Seton Hall, 2 p.m.; Swimming (men) vs. Ohio State and Cleveland State, 2 p.m.; Volleyball (men) vs. Army, 2 p.m.; Wrestling vs. Navy, 8 p.m.; Ice hockey vs. Bowling Green, 8 p.m.

Sunday, Jan. 31

Sports: Swimming, Penn State Diving International; Volleyball (men), Nittany Lion Invitational, 9 a.m.; Bowling vs. Temple, 1 p.m.; Wrestling vs. Maryland, 2 p.m.

Week of Feb. 1**Monday, Feb. 1**

Deadline for March graduates to deliver theses to Graduate School and for departments to certify completion of required papers for March graduates.

First day to sign Spring Term ND5L and University Long Term Loans. Room 108 Shields, through Feb. 10.
Sports: Basketball (men) vs. Bradley, 8:10 p.m.

Tuesday, Feb. 2

Senate Committee on Faculty Affairs, 9:30 a.m., Room 101 Kern.
Senate Undergraduate Instruction meeting, 9:30 a.m., Room 101-A Kern.
Liberal Arts Senators meeting, 11:30 a.m., Room 101 Kern.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

English Colloquium, 8 p.m., Room 305 HUB.
Inga-Stina Webnik, Hildred Carlile Professor, Univ. of London, on "Shakespeare, Ibsen, and the Language of Drama."

Wednesday, Feb. 3

Commons Nontime Concert, Buffalo Chip-lickers, Kern Lobby.
Artists Series, Mazowsze Polish Dance Company, 8:30 p.m., Eisenhower Auditorium.
Sports: Swimming vs. Maryland, (women) 1 p.m., (men) 4 p.m.

Thursday, Feb. 4

Physics Colloquium, 3:50 p.m., Room 117 Osmond. A. Heger, Univ. of Pennsylvania, on "Semiconductors and Conducting Polymers. From Solutions to Storage Batteries."
URTC, Mark Rozovsky, *Strider*, 8 p.m., Pavilion Theatre. Also Feb. 5, 9-13, 16-20.
Sports: Gymnastics (women) vs. Arizona State, 8 p.m.

Friday, Feb. 5

Artists Series, Ursula Oppens, 8:30 p.m., Schwab.
Sports: Basketball (men) vs. Georgetown, 7:30 p.m.; Ice hockey vs. Michigan-Dearborn, 9:15 p.m.

Saturday, Feb. 6

France-Cinema, Truffaut, *The Wild Child*, 7 and 9 p.m., Room 112 Kern. Also Feb. 8.
Sports: Fencing (women) vs. Cornell, Indiana (PA), James Madison, Ohio State, 9 a.m., (men) vs. Cornell, Ohio State, 11 a.m.; Wrestling vs. Cleveland State, 2 p.m.; Gymnastics (men) vs. Temple, 7 p.m.; Gymnastics (men) vs. Massachusetts, 8 p.m., (women) vs. LSU, 8 p.m.; Ice hockey vs. Michigan-Dearborn, 8 p.m.

Week of Feb. 8**Wednesday, Feb. 10**

Deadline for signing Spring Term ND5L and University Long Term Loans, Room 108 Shields.
Commons Nontime Concert, Whetstone Run, Kern Lobby.
Sports: Swimming (men) vs. Bucknell, 7 p.m.

Thursday, Feb. 11

Late Drop Deadline.
Physics Colloquium, 3:50 p.m., Room 117 Osmond. J. Dirk Poll, Univ. of Guelph, on "Recent Progress in Interaction Induced Spectroscopy."

Friday, Feb. 12

Faculty Women's Club Pot-luck Dinner, Walnut Bldg. (members and guests).
Sports: Bowling, ACU 1 Regional Championships. Also Feb. 13.

Saturday, Feb. 13

Artists Series, Frederica von Stade, mezzo soprano, 8:30 p.m., Eisenhower Auditorium.
Sports: Ice hockey-PSU Nittany Lion Invitational. Also Feb. 14. Basketball (women) vs. George Washington, 2 p.m. and vs. Pittsburgh, 7:30 p.m.; Swimming (women) vs. West Virginia, 1 p.m.; Wrestling vs. Pittsburgh, 7:30 p.m.

Sunday, Feb. 14

Sports: Wrestling vs. West Virginia, 2 p.m.

Week of Feb. 15**Monday, Feb. 15**

France-Cinema, De Broca, *Up to His Ears*, 7 and 9 p.m., Room 112 Kern.
Sports: Basketball vs. South Carolina, (women) 6 p.m., (men) 8:10 p.m.

Tuesday, Feb. 16

College of Education Faculty Council meeting, 2:20 p.m., Room 101 Kern.
Artists Series film, "Singin' in the Rain," 8 p.m., Eisenhower Auditorium.

Wednesday, Feb. 17

Commons Nontime Concert, Rustical Quality String Band, Kern Lobby.
Graduate Council meeting, 3 p.m., Room 101 Kern.

Thursday, Feb. 18

Physics Colloquium, 3:50 p.m., Room 117 Osmond. D. Lichtman, Univ. of Wisconsin, on "Surface Analysis Applied to Air Pollution."
Sports: Wrestling vs. Bloomsburg, 7:30 p.m.; Gymnastics (men) vs. Northern Illinois, 8 p.m.

Friday, Feb. 19

Deadline for graduate students to submit petitions to Records Office to graduate in absentia in March.
Artists Series, Royal Winnipeg Ballet/orchestra, 8:30 p.m., Eisenhower Auditorium.
Sports: Ice hockey vs. Duke, 9:15 p.m.

Saturday, Feb. 20

France-Cinema, Lelouch, *A Man and a Woman*, 7 and 9 p.m., Room 112 Kern. Also Feb. 22.
Sports: Bowling vs. Villanova, 1 p.m.; Swimming vs. Rutgers, (women) 1 p.m., (men) 4 p.m.; Basketball (men) vs. Memphis State, 1:30 p.m., (women) vs. Rutgers, 7:30 p.m.; Ice hockey vs. Duke, 8 p.m.

Sunday, Feb. 21

Sports: Bowling vs. Lincoln, 1 p.m.

Week of Feb. 22**Monday, Feb. 22**

Faculty Women's Club Newcomer Program, 7:30 p.m. Dr. Dennis Wolnick, on "How to Decorate with and Care for Plants."
Sports: Basketball (men) vs. Westminster, 8:10 p.m.

Tuesday, Feb. 23

Senate Undergraduate Instruction meeting, 9:30 a.m., Room 101-A Kern.
Senate Council meeting, 1:10 p.m., Room 101 Kern.

Wednesday, Feb. 24

Classes end.
Deadline for undergraduates to submit petitions to Records Office to graduate in absentia in March.
Deadline for signing Winter Term Emergency Loans, Room 108 Shields.

Thursday, Feb. 25

Final Exams through March 1.

Friday, Feb. 26

Sports: Wrestling: Eastern Wrestling League Championships. Also Feb. 27.

Saturday, Feb. 27

Sports: Bowling vs. Drexel, 1 p.m.

Sunday, Feb. 28

Sports: Bowling (men) vs. Capitol Campus, 1 p.m.

Week of March 1**Monday, March 1**

Sports: Basketball (women) vs. District of Columbia, 7:30 p.m.

Tuesday, March 2

Sports: Basketball (men) vs. Cleveland State, 8:10 p.m.

Saturday, March 6

Winter Term Commencement, 10:30 a.m., Rec Hall.

Exhibits**Chambers Gallery**

Student Drawings, Form and Idea, Art 222, Dec. 7-18.
Group Show, Graduate Art Education Students, Jan. 7-28.
5th Annual Burk/Hartwick Glass Exhibition, Feb. 2-25.
Saturday Morning Art School Exhibition, Feb. 26-27.

HUB Art Gallery

International Artifacts, Art Alley, Dec. 6-13.
Laser Photography Exhibit/Sale, Art Alley & Browsing Gallery, Dec. 7-11.
"Art of the Contemporary American Indian," The Gallery, Dec. 4-20.

Ukrainian Club Exhibition, Art Alley, Jan. 4-30.
Nittany Divers Exhibition, Art Alley, Jan. 4-30.
Central Pennsylvania Scholastic Art Awards, Art Alley & Browsing Gallery, Jan. 7-23.
Photo Journalism Undergraduate Exhibition, Jan. 21—Feb. 24.
PSU Ski Team Exhibition, Art Alley, Feb. 1-24.
Henry Blesing, Architectural Photography, The Gallery, Feb. 1—24.

Invisions Gallery of Photography, 212 Arts Bldg.

Gallery Hours: Sunday and Tuesday, noon to 5 p.m.; Thursday, 7-10 p.m.
Luciano Franchi De Alfara, III, photographs, Nov. 30-Dec. 30.

Kern Gallery

Dorothy Crowley, watercolors, through Dec. 21.
International Artifacts Sale/Exhibition, 9 a.m.-4 p.m.; through Dec. 15.
Gordon Mortensen, woodcuts, through Dec. 18.
Dorothy Hook, paintings, Jan. 5-29.
Metalcraft, Jan. 6-28.
Shirley and Bruce Ziegenthaler, clay and wood, Feb. 1-25.
Jane Kinler, weavings, Feb. 1-26.
Richard Shearer, Feb. 2-26.

Museum of Art

Museum Hours: 11 a.m.-4:30 p.m. Closed Mondays, Tues, Sundays, 1:30 p.m.
Danish Ceramic Design, through Jan. 24.
Architectural Fantasy and Reality, Drawings from the Accademia Nazionale di San Luca in Rome, Dec. 6-Jan. 31.
American Paintings Before World War II from the permanent collection, Dec. 6-Feb. 14.
Richard Hamwi—Works on Paper, Feb. 7-March 28.
David Van Dommelen—Stitchery, Feb. 7-March 28.
Director's Choice, selected works from the permanent collection, Feb. 14-June 13.

Pattee Library

Rare Books Room: The Academy of St. Luke, Rome: Architectural Treatises and Perspective Books, Dec. 7.
Second Floor, East Pattee and Main Lobby: Mary McGuire, Eadweard Payson, through Dec. 11.
Visual Arts Bldg., Zoller Gallery/Gallery Hours: 9 a.m.-5 p.m., Monday through Friday; Saturdays and Sundays, noon-5 p.m.
PSU Masters of Fine Arts Graduate Group Show, Dec. 4-Jan. 3.
Architectural Drawings/Alpha Roh Chi, Jan. 6-24.
School of Visual Arts Student Sculpture Show, Jan. 27-Feb. 14.

Penn Staters

Dr. Z. T. Bieniawski, professor of mineral engineering, has received appointments to two National Research Council committees. He is serving on the U.S. National Committee on Tunneling Technology and the U.S. National Committee on Rock Mechanics. The National Research Council is the principal operating agency of the National Academies of Sciences and Engineering.

Dr. Craig F. Bohren, associate professor of meteorology, has been appointed a consulting editor of *Weatherwise*, a bimonthly magazine on the weather published by Helder Publications, Washington, D.C.

Dr. G. W. Brindley, professor emeritus of mineral sciences, presented an invited paper at an international colloquium in Montreal at which the role of the French language in science and technology was discussed. While in Montreal, he gave an invited lecture to the Geoscience Department of McGill University on "Order-Disorder in the Structures of Clay Minerals."

Dr. John J. Cahir, professor of meteorology, has been elected president

of the National Weather Association, an organization of some 1,500 meteorologists with special interests in weather analysis and prediction. In an address at the group's annual meeting, Dr. Cahir called for the National Weather Association's support for new observational systems, new approaches to prediction of severe storms, and new arrangements for communicating forecasts to users.

Dr. T. Emmanuel Feuchtwang, professor of physics, and **Dr. Nicholas Miskovsky**, assistant professor of physics at Altona, participated in a NATO Advanced Study Institute on Quantum Metrology and Fundamental Physics Constants at the Ettore Majorana Centre for Scientific Culture in Ence, Sicily.

Dr. Joseph L. French, professor in charge of educational psychology and school psychology in the College of Education's Division of Counseling and Educational Psychology, has been elected to a three-year term on the Committee on Accreditation of the American Psychological Association.

Composed of ten members, this committee evaluates the applications and

supporting material of all psychology programs seeking approval in the nation.

Dr. Theodore L. Gross, provost and dean at Capitol Campus, was an invited speaker at the annual conference of the American Association for the Advancement of the Humanities. He spoke on "Specialization and Graduate Education in the Humanities."

Dr. Edwin L. Herr, professor and head, Division of Counseling and Educational Psychology, delivered the keynote address at an international conference in Tokyo, Japan, which observed the 30th anniversary of the introduction of counseling psychology into Japan by the Education Commission created by the occupation government of Gen. Douglas MacArthur.

While in Japan, Dr. Herr addressed the annual conference of the Japan Society for the Study of Career Guidance and the Japan Association of Student Counseling, and served as a consultant to the Counseling Institute of Sophia University.

Dr. C. L. Hosler, dean of the College of Earth and Mineral Sciences and professor of meteorology, represented the United States at a meeting of the World Meteorological Organization in Geneva, Switzerland. Topic of the meeting was meteorological education and training in lesser developed countries. Dean Hosler is a past president of the American Meteorological Society.

Dr. Philip A. Klein, professor of economics, spent the Fall Term as Academic Visitor at the London School of Economics, during which time he attended the 15th Conference of the Centre for International Research on International Tendency Surveys in Athens, Greece.

Dr. Joseph Jordan, professor of chemistry, presented invited lectures at Oakland University, Rochester, Michigan, and the University of Michigan

at Ann Arbor on "Resource Development in Analytical Chemistry for the New Synfuel Technologies."

Dr. Philippos Loukissas, assistant professor of urban and regional planning, participated in a training seminar for human settlement managers of the Mediterranean coastal areas in Palermo, Italy. The program was organized by the Italian National Center for Technical Education and sponsored by UNESCO.

Dr. G. P. Patil, professor of mathematical statistics, presented a series of lectures in South Africa as a guest of the South African Statistical Association, Medical Research Council, and the Council of Scientific and Industrial Research. He gave inaugural and final keynote addresses at the annual conference of the South African Statistical Association.

Dr. Patil also gave a series of seminars at various universities and led a series of scientific discussions at the Institutes of Mathematical Sciences and Biostatistics. The subjects covered during the visit included perspectives in statistical ecology, dynamics of exploited populations, analysis of biological diversity, and applied statistical distribution theory.

The Rev. Dr. Derald W. Stump, Episcopal chaplain and associate in Religious Affairs, has been elected treasurer of the Episcopal Society for Ministry in Higher Education. Dr. Stump is a charter and founding member of the Society.

Dr. Robert L. Webb, professor of electrical engineering, has been elected a Fellow of the American Society of Mechanical Engineers (ASME).

Dr. Webb was honored by the 100,000-member organization for significant achievements in heat transfer research and enhanced heat transfer technology. The ASME has about 1,000 active Fellows.

Promotions

Staff Exempt

Andre G. Badway to supervisor, third party reimbursement and cost accounting at Hershey.

Heather R. Hertzler to clinical supervisor, O.R. at Hershey.

Nellie L. Kirker to assistant extension agent in Agriculture.

George Lavanish to art assistant in Continuing Education.

George H. Otto to art assistant in Continuing Education.

Jeffrey F. Schlader to manager of systems development at Hershey.

Judith Smith to administrative supervisor, O.R. at Hershey.

Karen E. Taylor to assistant extension agent in Agriculture.

Alfred S. F. Valeski to art specialist in Continuing Education.

Robert E. Wilder to art assistant in Continuing Education.

Staff Non-Exempt

Judith A. Jacoby to senior research technician at Hershey.

Joan M. Koester to supply assistant in Bookstore.

Clerical

Lisa A. Auman to secretary C in Engineering.

Marian E. Lauck to accounting clerk in Controller's Office.

Sandra L. Lowery to secretary B in Agriculture.

Mary E. Montler to secretary C in Engineering.

Kathleen D. Rice to secretary C in Personnel Administration.

Michele R. Shawver to secretary B in Earth and Mineral Sciences.

Vicki Spadaccio to senior accounting clerk in Intercollege Research Programs.

Shelia C. Williams to senior accounting clerk in Controller's Office.

Technical Service
Orpha F. Achenbach to patient service aide at Hershey.

Jerry Bierly to carpenter A (field) in Physical Plant.

Harry C. Burris to lead carpenter (field) in Physical Plant.

Robert M. Carson to carpenter A (field) in Physical Plant.

Ruth E. Lansberry to dining hall worker A in Housing and Food Services.

Raymond D. Northman to maintenance worker A (general building maintenance) in Physical Plant.

Beatrice Talifero to group leader, maintenance worker utility at Ogontz.

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25-year chairs

For **Keith D. Wheeland**, acting assistant director of systems planning and development in Management Services, his first full-time Penn State work location had a special significance: it was in the Tabulating Department in the basement of Old Main, the same place his father, Rodney, had worked as a waiter when the Sandwich Shoppe was located there.

That was in the Fall of 1956, and Mr. Wheeland — who recently received his 25-year chair — has been instrumental in making many of the changes in how the University makes its "tabulations" that have occurred since then.

"Today, of course, computers play a much greater role than they did even a decade ago, and their use is increasing all the time. It's been exciting to help in applying modern technology to the University's operation," he says.

Currently, Mr. Wheeland is responsible for the conversion of computer programs and procedures for changing from the term calendar to the semester calendar. He also has served as manager of information services, being responsible for laying the groundwork for implementing the Information Center concept, as manager of process control and as manager of systems standards and procedures.

"I owe whatever success I've had to all the persons who have taken time to stop and show me how to do things — and, to those who have shown faith in me by giving me challenging assignments," says Mr. Wheeland.

In his personal time, Mr. Wheeland brings his professional experience to bear on one of his favorite hobbies, sport caving.

"I'm part owner of the largest cave in Virginia, a non-commercial one called Butler Cave, where I spend a half dozen weekends a year. I'm now engaged in setting up a data base to store information



K. D. Wheeland



J. E. Stuart

for all the caves in Pennsylvania," he explains.

"I love my work and look forward to each day," he says. "And I sleep well at night."

In his 25 years in the Department of Purchases, **James E. Stuart** has purchased practically every commodity used at the University.

Mr. Stuart, assistant purchasing agent, was born and raised in New Bethlehem, Pa., and was graduated from Penn State with a bachelor of arts degree in commerce in 1953.

Following graduation, he joined the Air Force and served for three years as a B-25 pilot and as a staff supply officer in the headquarters of the Eastern Air Defense Force. On Nov. 1, 1956, he joined the University staff as a buyer in the Department of Purchases.

He was appointed assistant purchasing agent Sept. 1, 1979, and, at present, is responsible for the purchase of agricultural equipment and supplies, building equipment, and all related items. He also is responsible for General Stores' operational procedures and inventory control.

In his spare time, Mr. Stuart is an organic gardener and enjoys hunting and fishing. Interested in music, he is a long-time member of the Pine Grove Mills Chorus.

He and his wife, Lois, a secretary at WPXS, live in Lemont and are the parents of three children — Terry, Tracy and Kathy.

Obituaries

Dr. Shiou-Chuan Sun, professor emeritus of mineral processing, died Nov. 16. He was 70.

Dr. Sun received a bachelor's degree in mining and metallurgy from Peking University, Tientsin, China, in 1936 and a master's degree in geology in the same field from the Missouri School of Mines in 1938. In 1945 he received a doctor of science degree in metallurgy from the Massachusetts Institute of Technology.

Dr. Sun joined the University faculty in

1946 as assistant professor of mineral preparations. He was named associate professor in 1951 and professor in 1957. He served as acting head of the Department of Mineral Preparation from 1946 to 1948. He retired July 1, 1976.

Survivors include his wife, E-Tu Zen Sun, professor of Chinese history, and two sons.

Joseph F. Neff, barn worker-milker in the College of Agriculture from June 1, 1955, until his retirement Sept. 1, 1970, died Nov. 15. He was 75.

863-0301 or 342-3980.

Audrey L. Smith would like to share driving from Centre Hall. She works in Burrows Building from 8 a.m. to 5 p.m. She can be reached at 865-9561 or 364-9712.

Neda Wilson needs a ride from the Hilltop Trailer Park to the University. She works from 8 a.m. to 5 p.m. in Wagner Bldg. She can be reached at 863-3359 or 238-3643.

Carpoolers

Patricia Miller is seeking a ride or would like to share driving from over Pine Grove Mountain. She works from 7:30 a.m. to 4 p.m. in the Laundry Building. She can be reached at 865-1826 or 669-4008.

Valerie Patrick would like riders from the Philipsburg area. She works from 8 a.m. to 5 p.m. in Whitmore Lab. Call either

Holiday shopping guide

(Continued from page 3)

the period of 1900 until 1930. Each of the postcards reproduced is accompanied by a short, explanatory caption. George Miller is the author. (Regularly: \$18.75/cloth; sale price: \$14. Regularly: \$10.95/paper; sale price: \$8.20)

— **Pennsylvania Prints** — From the Collection of John C. O'Connor and Ralph M. Yeager contains an array of prints showing Pennsylvania town views and landscapes, political and military scenes, disasters and famous events. This catalog, compiled by Judith W. Hansen, features a selection of 83 excellent reproductions. The O'Connor and Yeager Collection includes over 300 items, collected over a period of more than 30 years, and is one of the most comprehensive collections of Pennsylvania town views. This collection has long been a feature of the Tavern Restaurant in State College. (Regularly: \$17.95/cloth; sale price: \$13.45. Regularly: \$10/paper; sale price: \$7.50)

— **Rivers of Pennsylvania** by Tim Palmer serves as an introduction to Pennsylvania's 45,000 miles of usable streams. It provides information for the active or prospective canoeist, kayaker, boater, or rafter; the hiker or camper; the nature or history buff; the angler or conservationist. (Regularly: \$18.95/cloth; sale price: \$14.20. Regularly: \$12.95/paper; sale price: \$9.70)

— Of particular interest to Centre County residents is **Historic Buildings of Centre County, Pennsylvania**, prepared by the Historic Registration Project of the Centre County Library. George Ramsey, Coordinator. This volume describes in detailed text and 236 photographs, maps and drawings, local structures which include log houses and round barns, the Georgian and Victorian mansions of the ironmasters and landowners, sturdy inns and mills, hotels, churches, farms, and buildings of the Beaux-Arts classicism on the University campus. (Regularly: \$15/cloth. Sale price: \$11.25)

— **Pennsylvania 1776**, Robert A. Secor, general editor. This book is a vivid portrayal of life in Pennsylvania at the time of the Declaration of Independence. (Regularly: \$22.50/cloth. Sale price: \$10)

— **Pennsylvania Politics, Today and Yesterday: The Tolerable Accommodation** by Paul B. Beers presents the reader with a characterization of the Pennsylvania political scene during the period from 1900 to 1979. A type of rough justice prevailed, the author argues, as defined in Learned Hand's

words as "the tolerable accommodations of the conflicting interest of society." (Regularly: \$16.75/cloth. Sale price: \$12.50)

— **William Warren Scranton, Pennsylvania Statesman** is the first biography of a man whose reputation extends well beyond the borders of his home state. This book covers Scranton's long and distinguished career which marks him as one of the foremost political figures to have emerged from Pennsylvania in this century. George D. Wolf, professor of American studies and history, and former dean of the faculty at Capitol Campus, is the author. (Regularly: \$16.50/cloth. Sale price: \$12.35)

Holiday shoppers are welcome to browse through the assortment of books at the Penn State Press office in Room 215 Wagoner Building (865-1327). Press hours are Mondays through Fridays, 8 a.m. to 12 p.m. and from 1 p.m. to 5 p.m. Special arrangements may be made for book orders to be picked up from 12 p.m. to 1 p.m. The Press will mail books anywhere in the United States (\$1 mailing charge extra). Prepaid orders should be sent to Penn State Press, 215 Wagoner Bldg., University Park, PA 16802.

Penn State Music

Music from Penn State spans a wide range of styles from the Glee Club, Blue Band and Alard Quartet. Why not consider one of their albums for your music lover's listening pleasure?

Glee Club

"The Penn State Glee Club in a Program of Pennsylvania Music: 90th Anniversary Concert" is one of the records that the Glee Club, under the director of Bruce Trinkle, offers for your musical enjoyment. This album presents Pennsylvania folk songs, spirituals, poems by e. e. cummings and closes with Penn State songs. It is on sale in Room 232 Music Bldg. for \$6 (plus \$1 charge for postage and handling if the album is to be mailed). The Glee Club also presents a 45 rpm entitled "Favorite Penn State Songs" which features the "Alma Mater," "Hail to the Lion," "The Blue and White," and "Fight on State." This record is also available in Room 232 Music Bldg. for \$2.50 or \$3 if the record is to be mailed.

Blue Band

"Bandorama III" (1980), a sellout performance at Eisenhower Auditorium, is the latest Blue Band album. Under Director Ned C. Diehl, music on this recording features the Symphonic Blue Band, Marching Blue Band and Jazz Blue Band performing a variety of music



including half-time show music and Penn State songs. This recording is available for \$8 in Room 217 Chambers Bldg. and can be purchased at all student bookstores.

Alard Quartet

With notoriety and recognition by audiences on four continents and as the quartet-in-residence for the University, the Alard Quartet presents three albums to captivate and entertain you this year. Their latest album is "Beis Bantok — Quintet for Piano and Strings" which features Sylvia Glickman, pianist, and sells for \$6. Another recording, "Music for Flute and Strings by Three Americans — Amy Beach, Katherine Hoover, Arthur Foote" (Diane Gold, flautist) is available for \$6. The third album is "The Alard Quartet Playing Quartets by Hindemith and Janacek" for \$7. All albums are on sale at the Museum of Art gift store.

Alumni Association

If you have a graduating senior, alum, or Penn State fan on your Christmas list, the Alumni Association provides the ideal gifts that represent University tradition.

— Alvastone Nittany Lion replicas (from a mold made and signed by Lion Shrine sculptor, Heinz Warnke) can be purchased for \$35. It also comes on a walnut base for \$35.

— Penn State chairs are available in several styles: a Boston rocker for \$118; an armchair with satin-finish black arms for \$125 and an armchair with

cherry-finish arms for \$132. All chairs are satin-finish black with gold trim and University seal, unless otherwise specified.

— Alumni Association memberships are on sale for \$15/yr. Regular members receive *The Penn State Magazine*, the *Football Letter* and College/Campus newsletters. Associate memberships may also be purchased for non-alums for \$15/yr. The associate membership entitles recipients to the same privileges except that they are excluded from voting for alumni trustees and running for office. Lifetime memberships (regular or associate) are on sale for \$150.

All purchases may be made at the Alumni Association office in Room 105 Old Main, 8 a.m. to 12 p.m. and from 1 p.m. to 5 p.m.

The Weekly Collegian

The *Weekly Collegian* is the perfect gift for alumni who want to keep informed of important happenings at Penn State. Published by the staff of the *Daily Collegian*, it provides a means of keeping in touch with a constantly changing University.

The *Weekly Collegian* is published 36 times a year. Subscription price is \$12 a year or \$22 for two years.

To subscribe, send a check, payable to Collegian, Inc., to 126 Carnegie Bldg., University Park, PA 16802. Your subscription will begin upon receipt of your order.

Retirements

Dr. John L. George has retired as professor emeritus of wildlife management after 18 years of service to the University.

While at Penn State, Dr. George initiated species studies and management recommendations for the white-tailed deer, wild turkey, elk, otter, and eastern coyotes. He pioneered urban wildlife studies at the University and from 1974 to 1980, he was the chairman of the U.S. Forest Service's working group on urban wildlife.

He also studied animal damage control and was one of the developers of the "Penn State 5-Wire Electrical Deer Fence." While on sabbatical in 1979, he did a general management review on Alaska for the U.S. Forest Service.

Dr. George's research interests have been in vertebrate ecology, particularly population dynamics of birds and mammals. He is a pioneer in studies to determine whether or not DDT would affect birds when applied in the field.

In 1958, he became a research staff specialist in pesticides for the Washington



Dr. John L. George

office of the Bureau of Sport Fisheries and Wildlife, U.S. Department of the Interior, where he served as the government's chief expert on the ecological effects of pesticides on wildlife.

In 1963, he joined the staff of the School of Forestry Resources at Penn State. His interest in pesticide ecology

continued at University Park. Working with the late Dr. Donald E. H. Frear, he discovered DDT in penguins, fishes, seals, and skua sea birds in the Antarctic, thousands of miles from any known use of DDT.

Dr. George received his bachelor of science degree in forestry (1939) and the master of science degree in zoology (1941), both from the University of Michigan, Ann Arbor. In World War II he served as a

Naval Combat Information Officer on a destroyer in both the Atlantic and Pacific Theatres. He completed the doctor of philosophy degree in zoology (1952) at Michigan.

Dr. Hiram L. Wiest, associate professor of family and community medicine at Hershey, retired Nov. 1. He joined the staff Sept. 1, 1968.

Research grant proposals sought

Faculty from all University campuses are invited to submit proposals to the Penn State 1982-83 Research Initiation Grant (RIG) Program, established to support research and other creative work in the sciences, engineering, social sciences, and arts and humanities.

The RIG program is a competitive process based on scholarly merit and is limited to new faculty on standing appointments and with a service accumulation of two calendar years or less by September, 1982.

The 12-month awards will range from \$2,000 to \$5,000 and will be announced following a preliminary screening by the colleges and final recommendation from a committee appointed by Dr. Richard G. Cunningham, vice president for research and graduate studies.

Faculty desiring further information should call their ACOR representatives or Commonwealth Campus directors. The proposal deadline submission to ACOR deans is Monday, Jan. 18, 1982. Awards will be announced Friday, Feb. 26, 1982.

Behrend director to premiere new Broadway-bound show in Erie

In the beginning, Paul C. Iddings, associate professor of theatre arts at Behrend College, accepted an offer to go to New York City to direct a new Broadway show, *Daisy*.

As it turns out, Mr. Iddings has remained in Erie, where he is preparing *Daisy* for its world premiere on Friday, Dec. 11.

"It's exciting, it's hard work and it's a lot of fun," says Mr. Iddings in describing the intensive preparations for the show's debut.

"But perhaps the greatest thrill is in bringing together Behrend students, faculty members and New York professionals for a once-in-a-lifetime opportunity."

Daisy, too, is rather unique.

On the one hand, it is a moving portrayal of the life of a New York City shopping bag lady named, of course, *Daisy*. As such, it's a drama.

Daisy, however, also is a musical, with an original score of some 20 songs spanning the musical styles of three decades.

"The show is being billed as a musical-drama," Mr. Iddings observes. "This is the first show I know of to be labeled as such, and it's entirely appropriate."

Daisy's plot begins in the present, with *Daisy* appearing as a 47-year-old bag lady who looks 87. Through flashbacks that return as far into her grim past as 1951, *Daisy*'s life story is presented.

"It's a sad, but realistic, story," Mr. Iddings says. "The plot has many surprise turns, but builds smoothly and continuously to an emotional climax that has quite an impact."

The Behrend director further observes that *Daisy*'s musical score, in depicting music from the 1950s, '60s and '70s, is faithful to the musical styles of each of the decades.

"The '60s music, for example, has a distinct Beatles flavor to it, adding to the dramatic realism as *Daisy*'s life is portrayed. Throughout the show, the music is carefully tailored to match historical time."

Daisy was written by Norman Simon (no relation to Neil), a playwright and



Paul C. Iddings

songwriter who has had more than 200 of his songs recorded by such performers as the Inkspots and Nat King Cole. Mr. Simon wrote the music in conjunction with Lowell Mark and the book in conjunction with Howard Behrend.

In searching for a director for the show, Mr. Simon and his colleagues were having difficulty finding an applicant who was familiar with the three decades portrayed.

Luckily for Mr. Iddings and Behrend, Mr. Iddings' former New York agent — who represented the director during a 1974-76 stint of fulltime acting and directing in New York — suggested the Penn State for the job.

"I received telephone calls from both Mr. Simon and my former agent, looked over the script, listened to tapes and decided I was interested," Mr. Iddings recalls.

"I finally got the confirmation call, and to say I was extremely excited would be an understatement. I'd always dreamed of directing on Broadway and for a time, I just couldn't believe it was happening."

At that point, *Daisy* was titled *Daisy, the Shopping Bag Lady*, and the show was still slated to make its debut on Broadway.

"Mr. Simon and I met in New York one

weekend to discuss the show in person — we'd been communicating until then by telephone and letter — and I made the suggestion that we change the title, and the character's name, to *Daisy*."

"I felt the original title was too long and I liked the different spelling because it suggests an element of craziness. While *Daisy* is not a crazy lady in the pure sense of the word, she has experienced a crazy life and is a product of it."

Mr. Simon liked Mr. Iddings' suggestion about the title and had one of his own to make: that the show's first pre-Broadway production take place in Erie.

"Mr. Simon wanted to put the show into a workshop setting to fully prepare it for its debut," Mr. Iddings says. "He especially liked the idea of being able to combine the talents of New York professionals with those of Behrend students and faculty members."

Eleven Behrend students and two faculty members are in the cast, which totals 27. John B. Wilkerson, instructor in music, is serving as music director, and Marjorie J. Podolsky, English instructor, as accompanist.

While it is unlikely any of the local actors will travel with the show to Broadway, they will have the distinction of being listed as the show's original cast members whenever it appears in print form.

"It's an outstanding opportunity for the Behrend community to be involved in the process of shaping a new play for its debut production. The students are getting a real taste of professional theatre and are gaining the unique experience of being involved in a show from the ground up," Mr. Iddings observes.

In addition, all involved in the production are having their efforts documented, as Mr. Iddings is planning a book to record the birth of *Daisy*.

"We're photographing everything — auditions, rehearsals and performances. We're also videotaping the action and recording the sound track. The book will be a combination of the show's story and its making, and as such, will also be a first," he says.

As unique as the many aspects of the

show are, there's one more that perhaps stands out among the rest.

Susan Edwards, a former student of Mr. Iddings (when both were at the Virginia School of Performing Arts), was cast in the lead role before Mr. Iddings was chosen to direct.

"Susan and I have kept in touch over the years," Mr. Iddings says, "but it was still a big surprise when I learned she had become cast as *Daisy*. She's a first-rate actress and I'm simply delighted to be working with her again."

Ms. Edwards is no stranger to Broadway: she has appeared in *Magic Show*, *Bubbling Brown Sugar* and *The Suicide*, with Derreck Jacobi. She also has been an understudy for Lucy Arnaz in *They're Playing our Song*.

Daisy opens Dec. 11 in the Little Theatre at Mercyhurst College (Behrend's theatre has only 73 seats as compared to Mercyhurst's 273) and runs for 10 more performances.

Dates and times are: Dec. 11-13 and 16-20, 8 p.m.; Dec. 13 and 20, 2:30 p.m. matinees. Also, there will be a special matinee on Dec. 19 for potential financial backers of the show. Included will be a luncheon and an opportunity to meet with the original production members.

Reservations may be made by telephone (814) 898-1511, Ext. 331.

Mr. Iddings, a member of the Behrend faculty since 1976, was theatre department chairman at Mercyhurst from 1971 to 1974. In between his stints at the two Erie colleges, he was an actor and director at the Iglesias Theatre in New York City and at the Cherry County Playhouse in Traverse City, Mich.

He also has directed and taught in the Washington, D.C., public schools; at the Performing Arts Center of Virginia in Williamsburg; at Randolph Macon College, and in the Ashland, Va., public schools.

At Behrend, he directs a play each term and teaches theatre arts courses in a variety of areas.

"I thrive on energy," he says, "and challenges."

"Doing *Daisy* is satisfying both."

— by Tom Ressler

Staff Vacancies

The following vacancies for positions classified as staff exist and no staff exempt have been listed with the University Employment Division for filling. This announcement is made to that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 457-1387). Applications for these staff vacancies will be accepted until 5 p.m., Dec. 10, 1981. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PE-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam area veteran.

ADMISSIONS COUNSELOR II, UNDERGRADUATE ADMISSIONS, UNIVERSITY PARK. Responsible to the associate or assistant director of Undergraduate Admissions for general assistance in handling of the more complex admissions matters in an assigned regional area. Participate in and administer admissions activities for students, advanced standing, transfer, provisional, and nondegree students who are baccalaureate or associate degree candidates for University Park Campus and for assigned Commonwealth Campus. Behrend College. Bachelor's degree or equivalent with two to three years of effective experience in admissions or related fields.

PHYSICIAN, UNIVERSITY HEALTH CENTER, UNIVERSITY PARK. Responsible for University Health Center for providing medical care to University students, as well as emergency care to University faculty, staff, employers and visitors. Doctor of Medicine degree from an accredited school of medicine, a license to practice medicine in the Commonwealth of Pennsylvania, plus four to five years of effective experience in a similar position.

SYSTEMS ANALYST, COLLEGE OF MEDICINE, HERSHEY. Responsible to the manager, Medical Computer Center, for implementing the payroll and accounting procedure for the College of Medicine with

the various departments to determine their information requirements and operational needs. A bachelor's degree in accounting with knowledge of third generation programming language plus four years of data processing experience.

ACCOUNTANT, COST, COLLEGE OF MEDICINE, HERSHEY. Responsible to the supervisor, Third Party Reimbursement and Cost Accounting, for the preparation of all third-party cost reports and cost studies and maintenance of controls on third-party accounts receivable. A bachelor's degree in accounting or equivalency plus two to three years experience in hospital cost reporting or hospital auditing.

ASSOCIATE HEALTH PHYSICIST, INTERCOLLEGE RESEARCH PROGRAMS, UNIVERSITY PARK. Perform applied radiation safety tasks such as radiation and contamination surveys, instrument calibration, dosimetry, bioassay, radiochemical analysis, waste disposal, and record keeping. Master's degree or equivalent in radiological health, health physics, or public health with a major in health physics or radiological science and one to two years' effective experience required. Bachelor's degree in chemistry or physics preferred.

COLLEGE HEALTH NURSE, GONZAGA CAMPUS. Responsible administratively to the Dean of Student Affairs and professionally to the administration of the University Health Services through the director of Nursing Services for providing nursing care to the student body, including the treatment of minor and temporary illnesses and accidents, plus making appointments and referring students and employees to a physician or hospital when necessary and appropriate. Graduate of an accredited nursing program or its equivalent and current licensure in Pennsylvania as a registered nurse, plus six to nine months of effective experience in public health nursing or other related institutional nursing experience.

NURSING SOCIAL WORKER II, COLLEGE OF MEDICINE, HERSHEY. Responsible to the social services coordinator for providing inpatient and outpatient medical social services and provide practical help and emotional support to patients and their families. Master of social work degree from an accredited college or university or equivalent plus one to two years' effective experience.

EXTENSIVE SERVICES SPECIALIST, COMMONWEALTH EDUCATIONAL

SYSTEMS. Responsible to assistant director, Audio Visual Services, for developing and maintaining direct contact with rental/purchase clientele. Also responsible for evaluation and acquisition of behavioral science films. Some travel required. Bachelor's degree or equivalent, with three years' experience in the film library operation, marketing, or related area. Background in behavioral sciences desired.

SENIOR TECHNICAL SPECIALIST ONE, COMMONWEALTH EDUCATIONAL SYSTEM, UNIVERSITY PARK. To assist in the transfer and application of clean air and cold processing technology. Provide person-to-person assistance in interpreting research findings, solving technical problems and similar technology transfer activities.

Master's degree or equivalent in engineering or earth and mineral sciences with specific experience in clean air or related fields. This is a contract position which must be funded annually.

SENIOR TECHNICAL SPECIALIST TWO, COMMONWEALTH EDUCATIONAL SYSTEM, UNIVERSITY PARK. Assist small business in the transfer and application of high technology for purposes of economic development. Provide person-to-person assistance in interpreting research findings, solving technical problems and similar technology transfer activities. Master's degree or equivalent in engineering field or physical science plus at least seven years of related experience. This is a contract position which must be funded annually.

Lion Ambassadors advance University

Faculty and staff members are encouraged to recommend students for membership in Lion Ambassadors, a new student organization created to support the Penn State Alumni Association and the Office of Gifts and Endowments.

Lion Ambassadors will consist of 50 appointed students and is designed to support these offices by "incubating" within students the idea that their involvement with and support of Penn State should begin while they are students and not end with their graduation but continue the rest of their lives."

The organization, founded this fall, is intended for students who have a special interest in the University. It is to be comprised of individuals from all walks of student life who are dedicated to the advancement of the University through student recruitment, public relations and information, and assistance with Penn State administrators and alumni.

According to John W. Black, associate

executive director, Alumni Association, who is directing the development of the organization, these efforts "are aimed at creating an awareness of a student's ongoing association and involvement with the University as a student and as an alumnus."

Applications are available in Room 105 Old Main for students interested in becoming a Lion Ambassador. Applications must be accompanied by a recommendation from either a faculty or staff member or a current Ambassador.

Faculty and staff members are encouraged to recommend students whom they feel have a positive attitude and appreciation for Penn State and whose academics won't suffer from membership in the organization.

Recommendations and applications should reach Larry Atwell, coordinator, Student/Alumni Relations, 105 Old Main, no later than Tuesday, Dec. 8.

Penn State Intercom

University Park employees give record amount to United Way

University Park employees contributed a record \$113,224 to the Centre County United Way, reports Dennis Kulchyski, executive director.

"The amount raised by University employees exceeds last year's total by \$10,622. Twenty-nine percent of employees at University Park contributed, including 622 new givers," Kulchyski said.

"The personal approach to the solicitation, begun last year, and the endorsement by University administration are responsible for the success of the campaign. Of the 22 colleges and administrative units, nine submitted more than 90 percent of their cards to

United Way. This indicates that more employees have had the opportunity to participate and ask questions about United Way."

Areas to be cited by the Centre County United Way for outstanding giving records are:

Advanced Gifts (President's staff, deans, associate and assistant deans)—83 percent; Colleges of Education and Health, Physical Education, and Recreation—50 percent; College of Business Administration—49 percent; Colleges of Agriculture, Earth and Mineral Sciences and Administration (Senior Vice President for Administration)—45 percent.

1981 campaign chairman, Charles L. Hosler, dean of the College of Earth and Mineral Sciences, says: "The financial success of this year's campaign can be attributed to the dedication and hard work of associate chairpersons and their assistants who solicited the nearly 7,000 employees. I extend my personal thanks to each volunteer and contributor in this year's campaign."

"While we are pleased to fulfill our obligation financially to local citizens, as the largest employer in Centre County, I hope that future University campaigns will continue to show even greater employee participation."

Money raised this year is part of the county's \$420,000 goal to help 27 United Way member agencies. They are: Red Cross (State College, Bellefonte, Philipsburg), Easter Seals, Home Health Service, YMCA (Bellefonte, Philipsburg), Association for Retarded Citizens, Centre Crest Auxiliary, Youth Service Bureau, Community International Hospitality Council, Childbirth Education Association.

Rape/Abuse Crisis Center, Skills, Centre County Library, Mid-State Literacy Council, Community Alternatives in Criminal Justice, Voluntary Action Center Society for Crippled Children, Counseling Service, Girl Scouts, Associated Charities, Transient Fund, On Drugs, Inc., Boy Scouts, Strawberry Fields Day Camp, and the Community Nursing Service (Philipsburg).

PSU community urged to aid in President search

Students, faculty and staff members, alumni and friends of the University have been urged to take an active role in the search for a new president.

"We hope that everyone will feel free to provide information to us," said Dr. Robert S. Friedman, chairman of the University Presidential Search and Screen Committee.

"We're looking for general views on the presidency—what qualities people think the new president should have and so forth," Dr. Friedman said. "We're also looking for specific candidates' names. We intend to conduct the widest possible search, and we strongly urge everyone interested in Penn State to submit names of candidates."

The Search and Screen Committee, whose members are Penn State faculty and staff members, students and alumni, has submitted an advertisement to the Chronicle of Higher Education for its Dec. 16 issue and to other appropriate periodicals. The ad appears on page 3.

The 15-member Search and Screen Committee will advertise the position, solicit nominations and assist with the screening of candidates. Late next spring, it will submit its report to the

eight-member Trustee Presidential Selection Committee, which will then continue to screen candidates. The Selection Committee, composed of Trustees, is expected to recommend a final candidate to Penn State's Board of Trustees in November, 1982.

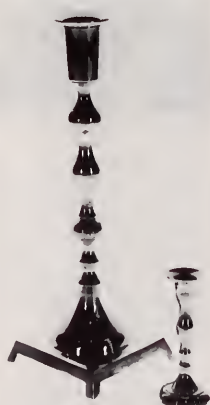
President Oswald has announced he will retire on June 30, 1983.

Mitchell Bldg. renamed

Mitchell Building is the new name of the former Mitchell Instructional Services Building.

The change, approved by the Board of Trustees, permits more flexible use of the building, following the reorganization earlier this year of media-related services housed there.

The building is named for Judge H. Walton Mitchell of Pittsburgh, who died in 1943. He was an 1890 Penn State graduate. A Trustee from 1902 to 1929, Mr. Mitchell was president of the Board from 1914 to 1929.



Candlesticks in the International Artifacts Exhibition and Sale at Kern.

General Ed. Conference plans advance

The Penn State Conference on General Education, co-sponsored by the Office of the President, the Office of the Provost, and the University Faculty Senate on Friday and Saturday, Jan. 22 and 23, is being held in conjunction with the January Board of Trustees meeting, and will serve as part of the agenda of the Committee on Educational Policy.

Keynote speaker for the conference will be Dr. Harlan Cleveland, director of the Hubert H. Humphrey Institute of Public Affairs at the University of Minnesota. Dr. Cleveland has served as assistant secretary for international organizational affairs in the Department of State, U.S. Ambassador to NATO, dean of the Maxwell Graduate School of Public Affairs at Syracuse University, president of the University of Hawaii, and as director of the International Affairs program of the

(Continued on page 3)

McNitt named Engineering dept. head

Dr. Richard P. McNitt has been appointed professor and head of the Department of Engineering Science and Mechanics in the College of Engineering, succeeding Dr. John R. Mentzer, who retired July 1.

Dr. McNitt comes from Virginia Polytechnic Institute and State University, where he was professor of engineering science and mechanics and where he taught both undergraduate and graduate level courses, some of which he developed and introduced.

A native of Reedsville, Pa., Dr. McNitt received his B.S. in engineering science and his M.S. in engineering mechanics from Penn State in 1957 and 1959, respectively. He received his Ph.D. in engineering science from Purdue University in 1965.

Dr. McNitt's research interests include dynamic response of structures to moving masses and the environmental effects on the mechanical properties of materials. Recent work has centered on interdisciplinary studies on the effect of

stress state on hydrogen embrittlement, hydrogen effects on fatigue life, and mechanical and metallurgical characterization of copper-nickel to steel welds.



Richard P. McNitt

Insurance switch will provide better service

In order to provide better and more timely service to faculty and staff members for payments of life insurance, hospital/surgical/major medical and vision claims, effective Jan. 1, 1982, these programs will be administered by The Prudential Insurance Company of America.

The Prudential has administered the dental program since Jan. 1, 1979. While The Prudential will process the hospital/surgical/major medical, dental and vision claims, the University will have direct financial responsibility for the payments.

There will be no change in the coverages or the cost to you for any of these programs. New claim forms will be made available to the faculty and staff members in the same manner as in the past, i.e., through their personnel representative or campus business managers or the Employee

Benefits Division. Hospitals, doctors, and medical care providers in the University Park area also will be given a supply of the claim forms. Life insurance beneficiary arrangements made with the previous carrier, The Equitable, will be honored by The Prudential.

It should be noted that with the exception of life insurance, all health care claims are now to be filed directly with The Prudential, the claims administrator, and sent to the address listed on the appropriate claim form. The address of the claims offices will be printed on the claim forms. Previously, the dental and vision claims were mailed directly to the carriers, but with this change the hospital/surgical/major medical claims also will be mailed directly to The Prudential Office instead of to the Employee Benefits Division as in the past.

Any claims (regardless of when charges were

incurred) filed after Dec. 18, 1981, should be filed with a Prudential claim form and sent to the appropriate office.

Regular full-time faculty and staff members will be provided with new hospital/surgical/major medical identification cards in the near future. In the meantime, hospitals and other providers of medical treatment may verify your coverage by contacting The Prudential or the Employee Benefits Division.

During the transition period, there may be some delays in the claim payments. However, it is expected that better claims service will result from these changes.

Questions about these new procedures should be referred to the Employee Benefits Division, 133 Willard Bldg., University Park, telephone 814-865-1473 (Network 475-1473).

McHale named acting dean

William J. McHale has been named acting dean of the College of Arts and Architecture, effective Jan. 1.

He will serve until a successor to Walter H. Walters is named. Dr. Walters, dean of the College for the past 12 years, announced earlier this year that he would retire at the end of 1981.

"We appreciate Dr. McHale's willingness to serve," Provost Eddy said, in announcing the appointment. "The College's programs will continue with strong leadership during this interim period."

Dr. McHale has been associate dean for resident instruction in the College since 1974. Before that time, he was assistant dean. He is an associate professor of art.

A graduate of Kutztown State College, he received his master of education and doctor of education degrees in art education from Penn State. He joined the college in 1962 as an arts specialist with the Penn State Extension Service. He also was associate professor of housing and design, and head of the Division of Family Housing and Home Art in the College of Human Development.

From 1967 to 1969, he directed the major in consumer related studies. Dr. McHale currently is chairman of the Bachelor of



William J. McHale

Philosophy Committee, which is responsible for an inter-college undergraduate degree program. He is in charge of the general arts major within the College. He also serves as an administrative member of the Landscape Architecture Accreditation Board and is chairman of the State College Community Appearance and Design Review Board.

Dr. Walters announced in July his plans to take early retirement this year to spend more time on personal projects. He and Mrs. Walters plan to move to the Jacksonville, Fla., area.

Calendar Conversion Council to name inclusive Communications Committee

The Calendar Conversion Council will appoint a Communications Committee to assist in the conversion process.

The committee will be made up of representatives from each University Park college, Behrend College, Capital Campus, College of Medicine, Commonwealth Educational System, Division of Undergraduate Studies, Office of the Vice President for Undergraduate Studies, Graduate School, Office of the Vice President for Research, Office of the Vice President for Student Affairs, Office of the Vice President for Business, University Libraries and University Faculty Senate.

Council Chairman James Bartoo noted that recommendations of the Council will go to President Oswald for review and consideration as deemed appropriate. He also reported that he is meeting with chairpersons of the University Faculty Senate to further clarify the working relationship between the Senate and the Calendar Conversion Council.

Council approved recommendations of its Sabbatical Leave Committee for submission to President Oswald. The recommendations relate only to changes pertinent to the calendar change.

In other business at its Nov. 19 meeting, Council:

- Discussed the question of appropriate procedures to establish a class schedule for University Park and to determine the facilities match, faculty resource match, and student programmatic need match for the 1983-84 semester calendar. Two previously appointed committees were instructed to

meet jointly and develop a specific recommendation.

- Accepted a report recommending that no major course renumbering proposal will be considered at this time.

- Announced it will issue a clarifying memorandum on new program submission to Curricular Affairs or the Calendar Conversion Council.

- Approved the following 1982 meeting schedule, with all meetings to be held in Room 101 Kern Graduate Bldg.:

Tuesday, Jan. 12, 2-5 p.m.; Wednesday, Feb. 3, 8:30-11:30 a.m.; Thursday, Feb. 25, 2-5 p.m.; Tuesday, March 16, 8:30-11:30 a.m.; Wednesday, April 7, 8:30-11:30 a.m.; Thursday, April 29, 2-5 p.m.; Wednesday, May 26, 8:30-11:30 a.m.; Tuesday, June 15, 2-5 p.m.; Thursday, July 8, 8:30-11:30 a.m.; Wednesday, July 28, 2-5 p.m.; Thursday, Sept. 9, 2-5 p.m.

Chemerda Lectures set for January 5-8

Dr. Leroy E. Hood, Bowles professor and head of the Division of Biology at the California Institute of Technology, will offer the fourth annual series of John M. Chemerda Lectures in Science at the University Jan. 5 through 8.

Each of the lectures will be presented at 8 p.m. in Room 119 Osmond Laboratory. The titles are "Immunity, Disease, and Cancer"; "The New Genetics and Microchemical Instrumentation"; "Molecular Development of Antibody Producing Cells," and "Genes of the Major Histocompatibility Complex: A Model System for Cell-Cell Recognition."

A specialist in the genetics and evolution of multigene systems and antibody diversity, Dr. Hood also has made important contributions to the chemistry and genetics of eukaryotic membrane proteins and protein evolution.

In addition, Dr. Hood and his Cal Tech colleagues have developed a so-called "gene machine," or automated DNA synthesizer, which can make a fully workable gene segment in a day. In the late 60s, Hood and others also developed an automated protein sequencer with which they can sequence even minute quantities of protein.

Senate to eye legislative action on PS-23's teaching evaluation

Legislative action on a proposal to modify the section of PS-23 dealing with the evaluation of teaching effectiveness is expected during the University Faculty Senate's meeting on Tuesday, Dec. 15.

Also on the agenda for the meeting — which begins at 2:10 p.m. in Room 112, Kern Graduate Bldg. — are informational reports from the Calendar Commission on "Conversion Update," the Curricular Affairs Committee on "Status of Baccalaureate Degree Requirements," and the Committee on Undergraduate Instruction on "Mathematics Testing for Entering Freshmen."

The proposal to modify PS-23, from the Senate's Faculty Affairs Committee, is carried over from the Senate's Oct. 6 meeting. During that meeting, Sally S. Small, associate librarian, moved to delete several sections of one of the committee's recommendations that dealt with standardized comprehensive questions. Her motion was tabled until the Senate had a report from a subcommittee of deans, which is now included as an attachment to the report. It is an example and is for information only.

The committee will present a clarified version of its recommendations in which details receive more emphasis. It proposes that procedures and methods of evaluation shall be selected by faculty members of individual academic units.

Any proposal for revision to PS-23, the University's policy document on promotion and tenure, that is passed by the Senate becomes a recommendation from that body to the President and must be acted upon by him before it becomes policy.

Heading the informational reports is that from the Calendar Commission, which will be presented by Dr. James B. Bartoo, commission chairman and dean of the Graduate School. Senators and faculty members will have an opportunity, following the Dean's report, to ask questions and discuss the conversion process.

In addition, the Liberal Arts Council of Senators will introduce a motion regarding class scheduling under the semester system. The motion will come up in the Senate's new business.

Dr. Jerry B. Covert, associate professor of biology at Hazelton, will present the Curricular Affairs Committee's report on the status of baccalaureate degree requirements. He also will refer to guidelines and procedures regarding changes.

In its informational report on "Mathematics Testing for Entering Freshmen," the Committee on Undergraduate Instruction will outline changes in the mathematics test, which is given to all entering freshmen.

Previously, the test has consisted of two parts, a 75-minute basic arithmetic test and a 65-minute test of algebra and trigonometry. For the admissions year 1982, the Mathematics Department will change the test to focus on basic algebra and trigonometry and advanced algebra and trigonometry, thus eliminating the basic skills test in arithmetic.

Changes in the test, the committee notes, are intended to better serve students by allowing for more accurate placements and advising. The changes are not intended to affect admissions requirements.

In other legislative action, the Committee on Academic Policy will introduce to the Senate the following resolution:

"It being the aspiration of this University to achieve and maintain a position of excellence among major academic institutions, BE IT RESOLVED that to signal this intention and to provide the leadership essential for its accomplishment, the Faculty Senate, on behalf of the faculty, urges that the Presidential Search Committee undertake to include in its recommendations to the Board of Trustees specifically those

candidates, of proven executive ability, who have achieved distinction as scholars in the academic community."

The Senate also will consider legislative action on the Academic and Athletic Standards Committee's proposed changes to "Academic Policies and Procedures for Undergraduate Students," published annually in the *Penn State Student Handbook*. The changes are needed to make student rules conform with the early semester calendar system.

In other business, the Senate will hear several informational reports. The Committee on Admissions, Records and Scheduling will report on "Special Admissions"; the Committee on Commonwealth Campuses-Continuing Education will report on "Commonwealth Campuses-Continuing Education Integration"; the Committee on Libraries will report on "Library Computer and Information Systems"; and the Committee on Undergraduate Instruction will report on "Resident Instruction Fall Term Enrollments."

Senate group seeks input on Dec. 14

The Faculty Senate's special Committee on Computers and Information Systems will seek input from all interested faculty members during a special meeting on Monday, Dec. 14, from 7 to 9 p.m. in Room 101 Kern Graduate Building.

Charged by the Senate chairman to consider several aspects of the University's computer operations, the committee is considering the advisability of recommending to the Senate that an intercollegiate committee be formed. The committee would investigate the possibility of establishing intercollegiate degree programs and related non-degree studies in the areas of computer technology, computer engineering, and computer applications.

The committee wishes to discuss ideas with faculty members from throughout the University who have substantial commitments to computers, computing and related programs. The committee also is considering the establishment of an intercollegiate, University-wide center for academic computing.

Questions the committee will address include:

- What activities should be incorporated into this center;
- What needs it can fulfill;
- How it should be constituted;
- How faculty would wish to interact;
- Would such a center help faculty members in their work;
- and, is there sufficient interest for further study?

The committee emphasizes that the Dec. 14 meeting is open to any interested faculty member and that the discussion will focus on the overall picture of academic computing at the University with an emphasis on future growth. The committee will not discuss the standard problems with computer systems operation, hardware, software, turnaround, etc.

Faculty members not able to attend the meeting should send their written comments to Thomas E. Daubert, committee chairman, Birch Cottage, by Dec. 14.

Golf shop is open; memberships available

Faculty and staff are reminded that the White Golf Shop at Recreation Bldg. is open weekdays from 9 a.m. to 5 p.m. through Dec. 23. Season memberships for 1982 are available. Visit the shop or call phone 865-6231 for further information.

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Plans advance for General Education Conference in Winter Term

(Continued from page 1)

Aspen Institute for Humanistic Studies. His address will be presented at 8:30 p.m. Jan. 22 in Schwab Auditorium and is open to the University community.

According to Dr. Theodore Gross, provost and dean of Capitol Campus and chairman of the subcommittee planning the keynote conference, the conference

steering committee has identified four issues that will be debated during the conference: (1) objectives and assessment; (2) content and connections; (3) articulation in the curriculum and the professions; and (4) the faculty role.

Several panel sessions involving Penn State faculty and representatives of business, industry, the professions,

government, and education are being organized. Topics to be addressed by the panels include:

1. *General education's role in preparing the individual for a career in business, industry, or the professions.* The panel will discuss the relationship of the general education component of the baccalaureate curriculum to the expectations of the graduate in the applied setting. Moderator: Carl H. Wolgemuth

2. *Baccalaureate general education — building upon the high school curriculum.* The panel will examine the general education component of the baccalaureate curriculum in the context of the student's elementary and secondary school preparation, the University's expectations, and the continuity of the educational experience. Moderator: Robert E. Durham

3. *Developing an international view in general education.* The panel will discuss strategies for instilling a greater understanding of worldwide cultures and issues through general education. Moderator: Caroline D. Eckhardt

4. *An historical perspective of general education at Penn State.* The panel will summarize the University's experience in devising and providing a general education over the past 30 years, reviewing changes in the program and factors which have facilitated or inhibited developments. Moderator: Robert F. Schmalz

5. *Uniform general education designed for all undergraduates or variable general education designed for the specific college or discipline?* The panel will explore differing approaches to offering a general education

— from the course smorgasbord, to the University-wide core curriculum, to the college-specific core curriculum. Moderator: Theodore E. Kiffer

6. *Identifying the skills which are essential in a general education.* The panel will discuss whether there is a set of definable skills, e.g., written, oral, computational, scientific, and linguistic, that should identify the baccalaureate graduate who has a general education. Moderator: Jerry B. Covett

7. *Offering general education as a lower division set of requirements or a four-year curricular commitment.* The panel will explore the need for curricular integration in general education and the impact of this need upon the scheduling of the general education experience. Moderator: Edward M. Elias

8. *Motivation and reward for faculty participating in general education.* This panel will examine the role of the faculty in determining the content and intent of general education, including responsibilities for extending student and faculty expectations beyond the individual course or the particular discipline, and for integrating general education into every University course. Moderator: Charles L. Hosler

Dr. Carol Cartwright, acting associate dean for academic affairs of the Commonwealth Educational System and chairman of the conference subcommittee on continuing programs, will moderate a concluding panel that will address the four conference issues and build upon the discussions held by the other eight panels.

PRESIDENT The Pennsylvania State University

The Board of Trustees of The Pennsylvania State University invites applications and nominations for the position of President.

The Pennsylvania State University is Pennsylvania's land-grant University dedicated to providing comprehensive programs in instruction, research and public service. The University has a full-time faculty of 3,000 and a student enrollment of 62,000 of which 35,000 are enrolled at the University Park Campus. An additional 27,000 students are enrolled at the University's 21 other campus locations including The Milton S. Eisenhower Medical Center. The current annual operating budget is \$495 million.

The corporate authority for the management and government of the University is vested by charter in the Board of Trustees. The President serves as the chief executive and educational officer of the University and is responsible to the Board of Trustees.

The nominees for this position should have a broad understanding of academic institutions. They should also have executive experience and proven leadership capacity. Nominees should have familiarity with the diverse missions of a comprehensive undergraduate, graduate, research and public service institution.

The position will be available on July 1, 1983.

Nominations or applications must be received by March 15, 1982 and should be addressed to:

Professor Robert S. Friedman, Chairperson
University Presidential Search and Screen Committee
The Pennsylvania State University
2031 Old Main
University Park, PA 16802

The Pennsylvania State University is an Equal Opportunity, Affirmative Action Employer.

Procedures for using human subjects in research are revised

The following article was prepared by Dr. Robert E. Slater, Director of Office for the Protection of Human Subjects, 312 Willard Building, University Park, PA 16802. Phone 814-865-1775. Questions regarding review procedures and policies, requests for printed informational materials, and related forms for review applications should be directed to Dr. Slater. The Human Subjects Office is a function of the office of the Vice President for Research and Graduate Studies, 207 Old Main.

The University's policies and procedures for the review of research involving human subjects have undergone major changes in response to new federal regulations issued by the Department of Health and Human Services (DHHS). These new regulations, which became effective on July 27, 1981, have been integrated into the University's existing system for protecting human subjects.

Briefly stated, University policy requires the review and approval of all activities which involve using human beings as research subjects. Approval must be obtained prior to the involvement of subjects.

The University's Institutional Review Board (IRB) is composed of two committees (The Biomedical Review Committee and the Behavioral and Social Sciences Review Committee), responsible to the Vice President for Research and Graduate Studies. The committee headed by the Director of the Human Subjects Office with the role of the IRB to ensure compliance with University policy as well as with applicable federal regulations for DHHS funded research as detailed in the Federal Register, Vol. 46, No. 16, January 26, 1981, and any other federal regulations currently in force or which may be introduced in the future.

Requests and instructions needed to submit a proposal for review may be obtained through the Human Subjects Office, or through the Associate Dean for Research in the colleges.

New Review Categories

There are now three general categories of review under the new policy. These are described below. When making application for review, investigators will apply for that category most appropriate for their study.

1. **Exemption Requested.** There are several broad categories of social science, educational, and economic research which are exempt from extensive committee review. The following types of research may be exempted from committee review if proper procedures to assure confidentiality and informed consent are evident and subjects are exposed to no more than "minimal risk."

2. Research conducted in established or commonly accepted educational settings, involving normal educational practices such as research on or comparison among instructional strategies, curricula, or classroom management methods.

3. Research involving the use of educational tests (cognitive, diagnostic, aptitude, achieve-

ment), if the data are recorded so that subjects CANNOT BE IDENTIFIED either by the use of names or special coded identifiers.

- c. Research involving surveys, interviews, or observation of public behavior. In the event that subjects can be identified directly or through identifiers, an exemption is allowable only if: 1. the subject's responses (if they become public) will not place the subject at risk of criminal or civil liability; 2. the subject's responses do not deal with sensitive aspects of personal behavior for example, illegal conduct, drug use, sexual behavior, or use of alcohol.

- d. Research involving the collection or study of existing data, documents, records, pathological specimens, or diagnostic specimens, if these sources are publicly available or if the information is recorded by the investigator in such a manner that subjects CANNOT BE IDENTIFIED, directly or through identifiers linked to the subjects.

2. **Expedited Review.** The Director will expedite the review of certain types of "minimal risk" research. Protocols will be reviewed by the Director and/or one or two experienced members, by mail or phone ballot. With expedited review, subjects may not be exposed to more than "minimal risk." The IRB may either approve the protocol or refer it for full committee review. In the event the committee cannot approve the protocol under expedited review, the Director will contact the investigator about the next step in the review process. Expedited review may also be used to approve minor changes in the protocol of an approved project. The categories of research eligible for expedited review are:

- a. Collection of hair and nail clippings, in a non-disruptive manner, deciduous teeth, and permanent teeth (if patient care indicates a need for extraction).

- b. Collection of excreta and external secretions including sweat, unclotted saliva, placental blood at delivery, and amniotic fluid at the time of rupture of membrane prior to or during labor.

- c. Recording of data from subjects 18 years of age or older using noninvasive procedures routinely employed in clinical practice. This includes the use of physical sensors that are applied either to the surface of the body or at a distance and do not involve invasive matter or significant amounts of energy into the subject or an invasion of the subject's privacy. It also includes such procedures as air or underwater weighing, testing sensory acuity, electrocardiography, electroencephalography, thermography, detection of naturally occurring radioactivity, diagnostic echography, surface electrodermography, electrodermography, and electroretinography. It also includes exposure to the visible range (for example, x-rays, microwaves).

- d. Collection of blood samples by venipuncture in amounts not exceeding 450 milliliters in an eight-week period and no more often than two times per week, from subjects 18 years of age or older and who are in good health and not pregnant.

- e. Collection of both supra- and subgingival dental plaque and calculus, provided the procedure is not more invasive than routine prophylactic scaling of the teeth and the process is accomplished in accordance with accepted prophylactic techniques.

- f. Voice recordings made for research purposes such as investigations of speech defects.
- g. Moderate exercise by healthy volunteers. (The American College of Sports Medicine Guidelines should also be followed in research of this type.)

- h. The study of existing data, documents, records, pathological specimens, or diagnostic specimens.

- i. Research on individual or group behavior or characteristics of individuals, such as studies of perception, cognition, game theory, or test development, in which the investigator does not manipulate subjects' behavior and the research will not involve stress to subjects.

- j. Research on drugs or devices for which an investigational new drug exemption or an investigational device exemption is not required.

3. **Full Committee Review.** Any research not covered by the conditions of Exemption Requested or Expedited Review, including all research which involves more than "minimal risk," or which could not be approved using other review categories, will be referred to the appropriate committee for full review. Categories is that the review process has been significantly streamlined for most applications. For "Exemption Requested" and "Expedited Review," investigators will be able to submit fewer copies of the review applications, and these reviews will normally be completed within one week (instead of the former 30 days). Also, an effort has been made to simplify the application forms and eliminate unnecessary paperwork for all parties.

Research Activities for Instructional Purposes

Many University courses require a "research experience" as part of the course requirements. Students of design and pilot test research, interviews, conduct interviews, learn to use laboratory equipment, analyze data, etc., as an integral part of a course designed wholly or in part for instruction in these techniques. Such supervised instructional activities do not, in general, require review by the IRB. However, these research and other independent research by students which involves human subjects must be reviewed by the IRB. The review is at the level of faculty supervision. Instructors and their students are reminded that the University expects that these learning

activities will be conducted within the same guidelines as those imposed on research projects in general. That is, all due care is to be taken to ensure that the "subjects" of these activities are not exposed to more than minimal risk, that they give their consent to participate, that they have an honest expectation of their involvement in the activity, and that anonymity and confidentiality of any data generated by their participation is assured and maintained. Attention to human subject guidelines and other ethical issues is considered an important component of such instruction.

Instructors should call to the attention of their students the fact that the associate dean for research in their college may instruct activities that could involve risk for the participants. These administrators should determine whether the IRB should review the intended project for compliance with human subjects guidelines. This administrative review would be especially important for those cases in which the participants are solicited through an outside developer, such as a private, for-profit school, etc. (whether or not the participants could be at legal, physical, or psychological risk) since the good name of the instructor, students, the department, and the University must be maintained.

Instructors of these courses are encouraged to call the Human Subjects Office if they need assistance or want materials for their classes. A Human Subjects Office is available through this office to help students design their class projects in accordance with good practice.

Other Services of the Human Subjects Office

The Director of the Human Subjects Office is available to speak to classes, faculty groups, and other University organizations about the operation of that office, research ethics, and other related "human subjects" topics. This office also has several publications and materials from professional, public, and private sources which pertain to human subjects issues; these are available to individuals who are interested in scholarly research in this area.

Definitions

Human Subject — an individual about whom an investigator (whether professional or student) conducting research obtains (1) data through intervention or interaction with the individual, and (2) identifiable personal information.

Informed Consent — an agreement between investigator and freely participating subjects that informs them of their role in the research and of potential hazards or risks, and describes all activity features that might reasonably be expected to influence willingness to participate.

Minimal Risk — the risks of harm anticipated in the proposed research are not greater, considering probability and magnitude, than those ordinarily encountered in daily life or during the performance of routine physical or psychological examinations or tests.

Bassoonist Peebles to give first campus performance Dec. 14

Bassoonist Georgia Peebles, instructor in the School of Music, will present her first campus performance at 8:30 p.m. Monday, Dec. 14, in the Music Bldg. recital hall.

Ms. Peebles will open the program with Antonio Vivaldi's Concerto for Bassoon in E Minor, followed by "Bassoonery: Study for Solo Bassoon" by Samuel Adler. The first part of the recital will conclude with J. N. Hummel's Concerto for Bassoon.

On William Presser's Bassoon Duets, a three-movement selection, Ms. Peebles will be joined by Trina Baker, a graduate student in bassoon performance. The final number will be the Sonate pour Bassoon by Camille Saint-Saens.

Ms. Peebles will be accompanied by pianist Keith Ward, another new instructor in the School of Music, on all but the Adler and Presser pieces.

Ms. Peebles, who was appointed instructor in bassoon, saxophone and music history in September, just received her D.M.A. in bassoon performance from the University of Maryland at College Park. She earned her M.A. in music history and literature from the University of North Carolina at Chapel Hill and her B.Mus. degree from Baylor University.

A student of Kenneth Pasmanick and Mark Popkin, she has performed with the



Georgia Peebles

North Carolina Chamber Players, the North Carolina Little Symphony, the Fairfax Symphony, the Penn State Chamber Players and Musica da Camera.

She has served in various capacities as a research and teaching assistant at Baylor University and at the Universities of North Carolina and Maryland, and received numerous awards and honors when she was a student at Baylor and North Carolina.

The School of Music is sponsoring the free Monday night concert, and the public is invited.

Dance company to present concert

The Contemporary Dance Company, sponsored by the College of Health, Physical Education, and Recreation, will present a concert at 1:30 and 4 p.m. Sunday, Dec. 13, in the White Hall Dance Theatre.

Co-directors Patricia Heigel-Tanner and Paula Donahoe are the featured choreographers for the performance which will consist of five pieces from the company's repertoire.

Three works on the program — "Free Flow," with music composed by Johann Sebastian Bach; Antonio Vivaldi's "Concerts for Violin, Lute and Figured

Bass," and "Dinosaur's Dance," with music by Bruce Trinkle of the School of Music, were choreographed by Ms. Heigel-Tanner.

Two pieces choreographed by Ms. Donahoe are "May I Have This Dance?" with composers Erik Satie, Gabriel Faure, Claude Debussy/Larry Linton, and George Gershwin, and "Jigsaw" with an elaborate version of "Twinkle, Twinkle, Little Star" by Wolfgang Amadeus Mozart.

Performing the dances are company members Maria Antonis, Mary Ellen Berish, Pegi Farrell (apprentice), Inez Ferraco (apprentice), Debbie Fisher (apprentice), Bill Flood, Stephen Hancok (apprentice), Judy Jenkins, Roberta Kjelgaard, Liz Limons, Drew Londa, Ann Madvedoff, Peggy Moses, Chris Nichols, Len Pfleger, Donna Pompei, Elaine Reidman and Gwen Welliver.

Choreographer is Amy S. O. De Francesco. Tickets are \$1.00 for students and \$2.00 general admission. They will be on sale at the door.

Glee Club, chorus give annual concert

The Penn State Glee Club and The Penn State Chorus will present its annual Christmas Concert at 3 p.m. Sunday, Dec. 13, in Schwab Auditorium.

The concert, sponsored by the School of Music, is free and open to the public. The program will include popular Christmas music from the 16th through 20th centuries.

The Penn State Glee Club is directed by Bruce Trinkle. Joel Westa is assistant director. The Penn State Chorus is directed by Bruce Trinkle, with Brenda Harsch, assistant director, Suzanne Roy, soprano, and Robert Trehy, baritone.

The groups have dedicated the concert to Dr. Walter H. Walters, dean of the College of Arts and Architecture, for "his years of service to music and the arts at Penn State."

University libraries set holiday hours

University Park libraries will be closed Thursday, Dec. 24, through Monday, Dec. 28, and Friday and Saturday, Jan. 1 and 2, for the Christmas and New Years holidays.

Pattee Library will be open from 7:45 a.m. to 5 p.m. Tuesday, Dec. 29, through Thursday, Dec. 31. Branch libraries, however, will remain closed. All University libraries will resume regular hours on Sunday, Jan. 3.

Penna. German course to be offered

Although the sight of the Pennsylvania "Dutch," wearing their quaint costumes and driving a horse and buggy, may be familiar to many residents of the Commonwealth, most know very little of Pennsylvania German history, language and culture.

Beginning Jan. 12, an eight-week course entitled "Pennsylvania German Culture" will be offered through the University Park/State College Area Continuing Education Office.

The course, taught by Dr. James Hurd, provides a survey of the background, customs, religion, folklore, superstitions, folk art, language, music and education of the Pennsylvania Germans. A brochure is available by calling 865-3443 or at 102 Boucke Bldg.

Mont Alto Campus given new network number

The Mont Alto Campus will have a new network telephone number beginning Dec. 28. The new number will be 488-2011.

URTC to present world premiere

The University Resident Theatre announces the world premier of a new play, entitled *Indian Summer*, by playwright and director, David H. Bell.

Scheduled to open Jan. 14 in the Pavilion Theatre, *Indian Summer* is the warmly humorous study of an American family during the golden indian summer of 1941. Virginia and John Robertson have raised their children in the glow of a romantic and idealistic American vision until Dec. 7, 1941, and the Japanese bombing of Pearl Harbor interrupts the American peace. In the wake of Pearl Harbor, the Robertson family is changed and a chapter in American history closes forever.

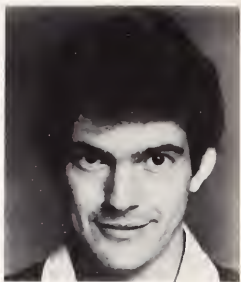
Mr. Bell directed this past Festival Theatre and URTC production of *Grass*. Most recently he was nominated for five of the coveted and highly regarded Joseph Jefferson Awards in Chicago and won "Best Choreography" for his 1980 production of *Cabaret* and 1981 production of *South Pacific* and "Best Director" for his production of *Man of La Mancha*.

Indian Summer is the fourteenth play in a twenty cycle of plays Bell is writing entitled, *The American Memoirs*.

The *American Memoirs* cycle deals with

the growth of an Irish immigrant family from their arrival in America through one hundred years of that family's descendants.

Indian Summer will open Jan. 14, 1982, and play Jan. 15, 16, 19-23, 26-30. Tickets are currently on sale at the Playhouse Theatre Box Office. For reservations call 865-1884.



David H. Bell

Alard Quartet featured in program

A program of works by Haydn, Kodaly and Mendelssohn will be presented by the Alard String Quartet, the University's quartet-in-residence, at 8:30 p.m. Wednesday, Dec. 16, in the Music Bldg. recital hall.

The musicians will begin the concert with the Quartet in B-flat, opus 76 No. 4 by Joseph Haydn. Written around 1797 after Haydn's two visits to London, the four quartets of opus 76 were published in 1799 when Haydn was semi-retired. The B-flat quartet is often called the "Sunrise."

Institute awards six research fellowships

The Institute for the Arts and Humanistic Studies has awarded six faculty research fellowships for winter and spring terms. Recipients are:

— Dr. Thomas W. Benson, professor of speech communication, for a critical study of documentary films by Frederick Wiseman.

— Dr. Gideon Golany, professor of urban and regional planning, to conduct a study of underground housing in Tunisia.

— William Hanson, associate professor of art, to create a series of lithographic prints.

— Dr. John L. Logan, assistant professor of French, to examine manuscripts for a book-length study. *The Longinian View: Studies in French Critical Theory and Poetic Practice, 1580-1680*.

— Dr. Joseph G. Price, professor of English, to edit a collection of critical essays on *Hamlet*.

— Dr. Michael D. Riley, assistant professor of English, Berkey Campus, for creative writing in poetry.

'A Christmas Festival' planned in Eisenhower

The University Choir, directed by Raymond Brown, and the University Symphony Orchestra, directed by Smith Toulson, will present "A Christmas Festival," a free concert celebrating the Christmas season, at 8:30 p.m. Saturday, Dec. 12, in Eisenhower Auditorium.

Featured will be music spanning works from the fifteenth century composer Dufay to a jazzy contemporary setting of traditional spirituals. The concert will close with the festive and stirring "Benedicite" by Ralph Vaughn Williams with Kim Kronenberg as soprano soloist.

quartet because of the long ascending line played by the first violinist in opening the piece.

Zoltan Kodaly's Second String Quartet is the second number on the program. Although Kodaly studied Hungarian folk music with fellow composer Bela Bartok, his compositions are more conservative than Bartok's, without the percussive dissonance and primitive rhythms that are so much a part of Bartok's music.

Concluding the Alard Quartet's concert will be Mendelssohn's Quartet in E Minor, opus 44 No. 2. Mendelssohn's interest in composing chamber music was evident at the age of thirteen, when he began work on three piano quartets. The Quartet in E Minor is described by the Alard Quartet as "a melodious work, with rich fugue passages, delightful imitations, luscious counter-melodies and (ii) is distinguished by one of the most original and enchanting of scherzos."

Members of the Alard String Quartet are violinists Joanne Zagel Feldman and Donald Hopkins, violist Raymond Page and cellist Leonard Feldman. All are associate professors of music.

The performance, sponsored by the School of Music, is free and open to the public.

Friends group buys works for Art Museum

Two works have been purchased by the Friends of the Museum of Art for donation to the Museum's permanent collection. The items were selected at the Friends' annual Purchase Party held recently at the Museum.

Receiving the greatest number of votes was a 15th century book illumination from the school of Stefan Lechner, who worked in Cologne during the early and mid-1400s. The page, which depicts a miniature Nativity scene, is from an anthology (musical score).

The second acquisition is a pen and ink drawing by the 16th century Italian artist Luca Cambiaso. The drawing shows the Holy Family with St. Anne and John the Baptist in a humble, domestic setting. The intimate portrayal of religious figures — an innovation during Cambiaso's lifetime — anticipated the style of artists yet to come such as Rembrandt.

Both acquisitions currently are on display at the Museum of Art. The Museum is open 11 a.m. to 4:30 p.m. Tuesdays through Sundays, and admission is free and open to the public.

University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

December 10-

January 14

Special Events

Thursday, Dec. 10

Holiday Festival VIII, Holiday Luncheon, 11 a.m.-2 p.m., Kern Cafeteria; Linda Rossman, "Wheat Weaving," 11:30 a.m., Kern Lobby; Film, "Make Mine Music," 6:30 and 8:30 p.m., 112 Kern.
Phi Delta Kappa luncheon, 11:30 a.m., 101 Kern.

Friday Dec. 11

Holiday Festival VIII, International Craft Demonstration, 11:30 a.m., Kern Lobby; Un-Common Snowflake Buffet, 6:30 p.m., 101 Kern.
Sports: Penn State Squash Club Insinko Tournament, Rec Hall. Registration: 865-5481 or 865-7491.

Saturday, Dec. 12

Holiday Festival VIII, Children's Christmas Party, noon-3 p.m., Assembly Room, Walnut Bldg.; International Coffee House, 8 p.m., Kern.
Sports: Swimming (men) vs. St. Bonaventure, 2 p.m.

France-Cinema, Truffaut, *Jules and Jim*, 7 and 9 p.m., 112 Kern. Also Dec. 14.

"A Christmas Festival," featuring the University Choir and University Symphony Orchestra, at 8:30 p.m., Eisenhower Auditorium.

Sunday, Dec. 13

Shaver's Creek Nature Center Holiday Decorations Workshop, 1-5 p.m. Registration: 865-1851.

Holiday Festival VIII, Christmas Caroling Around Campus, 8 p.m., Eisenhower Auditorium.

Monday, Dec. 14

Late registration deadline.
Add deadline.
HUB Craft Centre Instructors' Holiday Sale, 10 a.m.-4 p.m., HUB Gallery. Also Dec. 15.

Tuesday, Dec. 15

Senate Committee on Faculty Affairs, 9:30 a.m., 101 Kern.
Senate Undergraduate Instruction Committee meeting, 9:30 a.m., 101-A Kern.
Liberal Arts Senators meeting, 11:30 a.m., 101 Kern.
University Faculty Senate meeting, 2:10 p.m., 112 Kern.
College of Education Faculty Council meeting, 2:30 p.m., 101 Kern.
Artists Series film, "Aida," 8 p.m., Eisenhower Auditorium.

Wednesday, Dec. 16

Deadline for graduate students to pay thesis fee for March graduation.
Commons Nontime Concert, holiday music, Kern Lobby.
Graduate Council meeting, 3 p.m., 101 Kern.
Paul Robeson Film Series, "Showboat," 7:30 p.m., Assembly Room, Walnut Bldg.
University Readers Christmas Reading, 7:30 p.m., 112 Kern. Tony Lentz, Dickens' "A Christmas Carol." Also Dec. 17.

Saturday, Dec. 19

Christmas and New Year's recess through Jan. 3.
Sports: Basketball (women) vs. St. Joseph's, 2 p.m.

Monday, Dec. 21

Sports: Basketball (men) vs. Nebraska, 8:10 p.m.

Thursday, Dec. 24

University offices closed for holiday break through Jan. 3.

Monday, Jan. 4

Winter Term classes resume.
Penn State Squash Club, 7-9 p.m., White Bldg.

Tuesday, Jan. 5

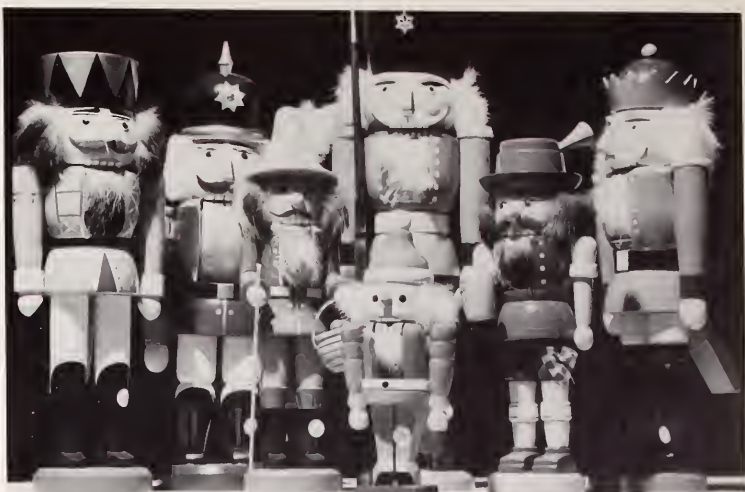
Pass-Fail through Jan. 7.

Wednesday, Jan. 6

Commons Nontime Concert: Glenn Kiddier. Kern Lobby.
Sports: Basketball (women) vs. LaSalle, 7:30 p.m.

Thursday, Jan. 7

Drop deadline.
Spring Term pre-registration deadline.
Economics faculty meeting, 3 p.m., 101 Kern.
Slide Show, Felicia Bell, "Kenya: My African Experience," 7:30 p.m., Conference Room, Walnut Bldg.



German nutcrackers are available for Holiday giving at the Museum of Art Gift Store.

Photo: Scott Johnston

Friday, Jan. 8

Sports: Gymnastics (women) vs. Michigan State, 8 p.m.; Ice hockey vs. Delaware, 9:15 p.m.

Saturday, Jan. 9

Sports: Swimming (women) vs. Brown, 1 p.m.; Volleyball (men) vs. Alumni, 1 p.m.; Ice hockey vs. Delaware, 8 p.m.; Basketball (men) vs. Philadelphia Textile, 8:10 p.m.

Sunday, Jan. 10

Artists Series: "The Best Little Whorehouse in Texas," 3 and 8:30 p.m., Eisenhower Auditorium.
Sports: Basketball (men) vs. South Florida, 8:10 p.m.

Monday, Jan. 11

Interdisciplinary Symposium, 7:30 p.m., 101 Kern. Daniel G. Baker, Philosophy, "The Primacy of Speaking and Its Normative Foundations."
Penn State Squash Club, 7-9 p.m., White Bldg.

Wednesday, Jan. 13

Commons Nontime Concert: Richard Sleight, Kern Lobby.

Thursday, Jan. 14

URTC: David H. Bell, "Indian Summer," 8 p.m., Pavilion Theatre. Also Jan. 15, 19-23, 26-30.

Seminars

Thursday, Dec. 10

Chemistry Colloquium, 12:45 p.m., 335 Whitmore. C. Bradley Moore, University of California, Berkeley, on "Selectivity in Laser Photochemistry."

Dept. of Economics and Institute for Policy Research and Evaluation Seminar, 3 p.m., 101 Kern. Nancy A. Wentzler on "Risk Analysis in Health and Safety: Problems and Research Needs."

Computational Fluid Dynamics Seminar, 3 p.m., 216 Hammond. P.K. Koshla, Univ. of Cincinnati, on "Navier-Stokes Calculations with a Coupled Strongly Implicit Method and Spline Deferred-Correction Solver."

Physics Colloquium, 3:50 p.m., 445 Davey. R. Parks, Univ. of Maryland, on "Surface Phase Transitions."

Math Colloquium, 4 p.m., 102 McAllister. L. Evans, Univ. of Maryland, on "New Methods for Hamilton-Jacobi Equations."

Dept. of Speech Communications Lecture - Computer Literacy, 4 p.m., 112 Kern. Carolyn Marvin, Univ. of Pennsylvania, on "Computer-Ease: A Twentieth Century Literary Emergent."

Friday, Dec. 11

Mathematics Colloquium, 4 p.m. 103 Osmond. Jean-Pierre Serre, College de France/Harvard, on "Integral Points on Algebraic Varieties."

Monday, Dec. 14

Div. of Learning and Telecommunications Services Seminar, 3 p.m., 8 Mitchell. W. Müller, WPX executive producer, on "ALARD."

MC3B Seminar, 4 p.m. 101 Althouse Lab. Dr. Peter Blumberg, NCI, NIH, on "Receptors for Phorbol Ester Tumor Promoters."

Tuesday, Dec. 15

Water Pollution Control Seminar, 2:30 p.m., 217 Willard. Terry Williams, graduate student in civil engineering, on "Filamentous Microorganisms and Activated Sludge - Are They Compatible?"

Business Economics Research Seminar, 3 p.m., 201A Business Administration. Dr. Frank Goode, associate professor of agricultural economics, on "Refining Industrial Location Models."

Plant Pathology Seminar, 3:55 p.m., 213 Buckhout. W. Merrill, on "Introduction to Phytopath Classics."

Materials Science Graduate Seminar, 4 p.m., 112 Walker. J. Laughner on "Quartz - Still Ferrous After All These Years," B. Landes, on "Saran Copolymers."

Thursday, Dec. 17

Chemistry Colloquium, 12:45 p.m., 335 Whitmore. S. Walter Englander, University of Pennsylvania, on "Internal Protein Dynamics, Hydrogen Exchange, and Allostery in Hemoglobin."

Physics Colloquium, 3:50 p.m., 445 Davey. A. Komar, Yeshiva Univ., on "Constrained Dynamical Systems."

Acoustics Seminar, 4 p.m., 215 Hammond. J. Welz and M. Dahl on "An Introduction to the Use of Microcomputers in Acoustics."

Tuesday, Jan. 5

Plant Pathology Seminar, 3:55 p.m., 213 Buckhout. Gregory Watson on "Tillet - Classic #5."

Materials Science Graduate Seminar, 4 p.m., 112 Walker. L. Radovic on "Inorganic Matter Effects in Ligand Char Reactivity," M. Monokowski on "Chlorine Incorporation During Thermal Oxidation of Silicon."

Thursday, Jan. 7

Physics Colloquium, 3:50 p.m., 445 Davey. (TBA).

Tuesday, Jan. 12

Plant Pathology Seminar, 3:55 p.m., 213 Buckhout. Garfield Thomas on "Fontana - Classic #2."

Materials Science Graduate Seminar, 4 p.m., 112 Walker. E. Minford on "Environmental Effects on the Time Dependent Failure of Silicon Carbide Ceramics," J. Youtcheff on "Study of Biological Markers in Coal."

Wednesday, Jan. 13

English Colloquium, 8 p.m., 101 Kern. Robert D. C. Downs, BBC Film, "Going Gentle."

Thursday, Jan. 14

Physics Colloquium, 3:50 p.m., 445 Davey. A.

Redfield, Brandeis Univ., on "Pulsed Fourier Transform NMR and Transfer RNA."

Exhibits

Chambers Gallery: Student Drawings, Form and Idea, Art 222, through Dec. 18.
Group Show, Graduate Art Education Students, Jan. 7-28.

HUB Art Gallery: International Artifacts, Art Alley, through Dec. 13.
Laser Photography Exhibit/Sale, Art Alley and Browning Gallery, through Dec. 11.

"Art of the Contemporary American Indian," The Gallery, through Dec. 20.
Ukrainian Club Exhibition, Art Alley, Jan. 4-30.
Nittany Divers Exhibition, Art Alley, Jan. 4-30.

Central Pennsylvania Scholastic Art Awards, Art Alley and Browning Gallery, Jan. 7-23.

Invasions Gallery of Photography, 212 Arts Bldg. Gallery Hours: Sunday and Tuesday, noon to 5 p.m.; Thursday, 7-10 p.m.

Luciano Franchi De Alfara, III, photographs, through Dec. 30.

Kern Gallery: Dorothy Crowley, watercolors, through Dec. 21.
International Artifacts Exhibition/Sale, 9 a.m.-4 p.m., through Dec. 15.

Gordon Mortensen, woodcuts, through Dec. 18.

Dorothy Hook, paintings, Jan. 5-29.
Metalcraft, Jan. 6-28.

Museum of Art: Museum Hours: 11 a.m.-4:30 p.m. Closed Mondays. Tours, Sundays, 1:30 p.m.

Danish Ceramic Design, through Jan. 24.
Architectural Fantasy and Reality, Drawings from the Accademia Nazionale di San Luca in Rome, through Jan. 31.

American Paintings Before World War II, from the permanent collection, through Feb. 14.

Pattie Library: Rare Books Room: The Academy of St. Luke, Rome: Architectural Treatises and Perspective Books.

Second Floor, East Patter: Mary McGuire, pottery, through Dec. 11; Kathy Dubash, ceramics, through Jan. 7; Slavic Books, Jan. 7-25.

East Corridor: Peter Jogo, recent works, through Jan. 18; James Abbot, photography, Jan. 8-31.

Lending Services Gallery: Sally Berndt, watercolors, through Jan. 4; Ruth Kemper, recent works, Jan. 5-26.

Visual Arts Bldg., Zoller Gallery. Gallery Hours: 9 a.m.-5 p.m., Monday through Friday; Saturdays and Sundays, noon to 5 p.m.

PSU Masters of Fine Arts Graduate Group Show, through Jan. 3.

Architectural Drawings/Alpha Rio Chi, Jan. 6-20.

Penn Staters

Dr. John E. Baylor, Extension agronomist, has been named winner of the 1981 Pennsylvania Forage and Grassland Council's Special Award.

Dr. Baylor has been primarily responsible for the developing Extension educational programs related to forage crop improvement. He currently serves as coordinator of Extension agronomy programs.

Dr. Frederick R. Eisele, associate professor of social policy, has edited a special issue of the *Journal of Health Politics, Policy and Law* (vol. 6, No. 1, Spring 1981) on "Health Policies for the Elderly." The journal is published by Duke University Press and is affiliated with the American Health Planning Association.

Dr. Gordon N. Fleming, professor of physics, presented three invited seminars at the University of Connecticut at Storrs. At a Theoretical Physics Seminar he discussed, "The Quantum Pathology of Unstable Particles or When You're About to Go to Pieces Which Way Do You Turn?" At a Philosophy of Science Seminar he spoke about "Pierce, Popper and Probability" and at a Physics Seminar his topic was "Zeno's Paradox in Quantum Theory."

Dr. Thomas A. Hale, associate professor of French and comparative literature, presented an invited seminar at the School of Area Studies of the Foreign Service Institute, Department of State, Washington, D.C. He discussed "From Griots to Negritude: The Origins and Evolution of Biculturalism in Francophone Africa."

Ellen M. Harkleroad, assistant Perry County Extension agent, has been named recipient of the New Worker Extension Award presented by the Alpha Omicron Chapter of Epsilon Sigma Phi, honorary extension fraternity.

The award is presented annually to a

member of the University's Cooperative Extension Service staff with two or less years of service and who has organized and conducted outstanding educational programs.

Dr. Russell E. Larson, provost emeritus, has received the 1981 Clover Award of the Pennsylvania Association of Extension 4-H Agents. The award was established in 1980 to recognize an individual for outstanding support of Pennsylvania 4-H programs. Dr. Larson was cited for his work in the formation of Pennsylvania Friends of 4-H, a foundation to aid in increasing the scope of the Extension Service youth program.

Joseph A. McCurdy, Extension agricultural engineer, has been named recipient of the 1981 Ruby Award presented by the Alpha Omicron Chapter of Epsilon Sigma Phi. The award is presented annually to a member of the University's Cooperative Extension Service staff for innovative educational programming.

Mr. McCurdy provided leadership in the management of potato storage facilities in Pennsylvania. He designed and developed a ventilation system that allows potatoes to be stored longer with less shrinkage and waste. This unique system enabled farmers to increase their income and provide better quality potatoes for consumers.

Dr. E. Willard Miller, professor of geography emeritus and associate dean emeritus of resident instruction in the College of Earth and Mineral Sciences, presented the plenary address on "Spatial Dynamics of the Pennsylvania Economy" at the annual meeting of the National Council of Geographic Education.

Dr. Dan E. Moore, associate professor of rural sociology Extension, has been named recipient of the 1981 Cooperative Extension Service Award. The annual award is presented to a member of the

Pennsylvania Extension staff for outstanding educational programming.

Dr. Moore was cited for planning and conducting "Pennsylvania: The Citizen's Viewpoint," a survey of Commonwealth citizens which has made their views and concerns accessible to decision makers throughout the state.

Dr. Stanley F. Paulson, dean of the College of the Liberal Arts, has been elected 1982-83 chairman of the Commission on Arts and Sciences of the National Association of Land Grant Universities and Colleges.

Composed of 15 deans and three university presidents, the commission makes recommendations to the national association on issues related to education and research in colleges of arts and sciences within land grant universities.

Manila, Seoul and Tokyo were included in a research-tour led by **Dr. Warren C. Robinson**, director of the Population Issues Research Center and professor of economics.

He presented a paper, written with Dr. Wayne Schutjer, professor of agricultural economics, entitled "Agricultural Surplus and Population Growth in the Development Process" at the meeting of the International Union for the Scientific Study of Population in Manila.

In Seoul, Dr. Robinson consulted with the staff of the Korea Rural Economics Institute and the Korea Energy Research Institute, both engaged in collaborative work with Penn State. In Tokyo, he presented a paper entitled "Demand and Supply Factors in the Fertility Transition"

at the Population Institute of Nihon University.

Dr. Michael J. Streibel, assistant professor of instructional systems, has been appointed to serve on the Educational Technology for Postsecondary Institutions Committee of the Pennsylvania Department of Education.

George L. Thuringer, director of management engineering and professor of industrial engineering, has been elected vice president of general engineering of the American Society of Mechanical Engineers. The position includes serving as a member of the Council of Engineering which is responsible for the technical programs of the Society and as chairman of the Committee on Public Issues and Positions.

Dr. T. T. Tsong, professor of physics, presented two lectures at a NATO Advanced Study Institute on "Surface Mobilities of Solid Materials" held in Les Arcs, France. The lectures were entitled, "Correlation Between Adatom-Adatom Pair Interactions and Adlayer Superstructure Formation" and "Surface Diffusion of Single Atoms With and Without a Driving Force."

Dr. Thomas D. Yawkey, associate professor of education, and early childhood doctoral students Glessie Miller, Mary Ann Melizzi, Fay Glossenger and Susan Trostle presented an invited research symposium on "Child's Pretend Play" at the 12th annual convocation of the Northeastern Educational Research Association.

From the Press

The Shaw Review, one of two literary journals published by Penn State press, has been transformed to *Shaw: The Annual of Bernard Shaw Studies*, in book format.

Dr. Stanley Weintraub, research professor of English and director of the Institute for the Arts and Humanistic Studies, will remain as general editor, a position he has held for 25 years.

The change in format brings with it some changes in substance. On odd-numbered years, the annual will be thematic. The first such volume, *Shaw and Religion*, edited by Dr. Charles A. Berst of U.C.L.A., already has been published.

Theme of the 1983 annual is *Shaw's Plays in Performance*. It will be edited by Dr. Daniel Leary, professor of English at City College of New York. The 1985 annual, *Shaw Abroad*, will deal with the impact of Shaw's travels upon his writing.

In even-numbered years, the annual's scope will be general. The 1982 general volume will be published in February or March, 1982.

"The change should be more attractive to scholars," Dr. Weintraub says.

"Because of its book size, Shaw will offer about twice as many pages as the former three-issue format combined; it therefore will be possible to use more illustrative material than before and more detailed studies.

"The new format should also prove more attractive to libraries. Faced with increasingly tighter budgets, libraries are cutting back on journals. The related costs of postage and handling and of binding made it useful all around to convert the journal to an annual."

All volumes, thematic and general, will continue to carry the Continuing Checklist of Shaviana — the bibliography of Shaw studies — as well as the book review section.

Colette: The Woman, The Writer, Erica M. Eisinger and Mari McCarthy, editors. Foreword by Elaine Marks. 200 pages. \$16.95.

This book explores the link between women's identity and women's writing, through Gabrielle Sidonie Colette's life and work, by 20 leading French and American critics and scholars.

How did a self-styled "woman born not to write" become one of the most honored and successful writers of her time (1873-1954), while pursuing careers as music hall performer, journalist, beautician, sensualist, and wife and mother? In what sense does Colette fit Louis Perche's description as "the first woman in French literature to write as a woman?"

These questions are addressed in a blending of modern feminist and critical perspectives, including structuralism and post-structuralist semiotics.

Donna C. Connell to assistant extension agent in Agriculture.

Samuel J. Duck to foreman, operations & maintenance (power plant) in Physical Plant.

Robert C. Finley to director of operations at Behrend.

Greg Ingram to assistant dining hall supervisor in Housing and Food Services.

Robert Long to foreman, central control system in Physical Plant.

Connie M. Paden to assistant extension agent in Agriculture.

Marybeth Reese to area representative in Continuing Education.

Milton R. Trask to regional personnel officer in Personnel Administration.

(Continued on page 7)

Bookshelf

Dr. Gerald G. Eggert, professor of American history and head of the History Department, is author of a new book, *Steelmasters and Labor Reform, 1886-1923*, published by University of Pittsburgh Press.

Dr. Eggert's study of corporate debate on labor "reform from above" focuses on the career of William B. Dickson, one of the last of Andrew Carnegie's "young geniuses" to rise to the top levels of Carnegie Steel. Dickson went on to high positions with U.S. Steel and later with Midvale Steel and Ordinance Co. Dickson was the most active reformer in the steel industry of his era, his proposals growing out of his youthful experiences in the mills as a laborer.

Dr. Eggert's study provides an inside view of top steel officials arguing their positions on various reforms under consideration: stock purchase plans, employer liability, employee representation plans, and elimination of the 12-hour shift and 7-day work week. The account is based on materials collected by Dickson: corporate correspondence and records, news clips, his diaries, notes and reminiscences.

Ray T. Fortunato, assistant vice president for personnel administration, is co-author with D. Geneva Waddell, personnel specialist at Montgomery Community College, Montgomery, Md., of *Personnel Administration in Higher Education*.

This handbook of faculty and staff personnel practices is designed to fill the gap between abstract theories of personnel administration and the practical approach actually employed by effective practitioners in higher education institutions.

Published by Jossey-Bass Inc., San Francisco, Calif., it focuses specifically on meeting faculty and staff personnel needs in colleges and universities, and covers every aspect of personnel management from defining and filling new positions to preparing a retirement plan.

The handbook also includes dozens of sample forms and policy statements to serve as guides in developing or adapting similar materials for a particular institution.

Dr. Anton Glaser, professor of mathematics at Ogonitz, is the author of a new edition of his *History of Binary and Other Nondecimal Numeration*, published by Tomash Publishers, Los Angeles.

During the last four centuries, mathematicians and philosophers have proposed many exotic and practical number systems beyond the decimal, including the binary system that has become both the base and basis for the new Computer Age.

This encyclopedic historical work — long out of print and previously available only in a rare, privately printed edition — is a carefully researched study of the basic mathematical ideas and insights that made possible the conception and creation of the electronic computer. The work is of interest to teachers, computer users, scholars and historians.

Fathoms, a new book of poetry by **Dr. Robert Lima**, professor of Spanish and comparative literature, has been published by the Carnation Press, State College.

Limited to 500 numbered copies, the edition carries a cover design by Cyse Shumkas, a State College artist employed as the sign and print shop operator at the Hetzel Union Bldg.

Promotions

Staff Exempt

Thomas L. Bement to supervisor, liaison services at Hershey.

Terry S. Brungart to foreman, preventive maintenance and central control system in Physical Plant.

Carpooler

Barbara Houtz seeks riders or persons to share driving from the Rebersburg-Madisonburg area. She works from 8 a.m. to 5 p.m. in Tyson Building. Call either 863-2189 or 422-8910.

Promotions

(Continued from page 6)

Staff Non-Exempt

Chester DeFurio, Jr. to estimator-inspector in Physical Plant.
Dale R. Miller to food service steward at Nittany Lion Inn.
Helen M. Sheehy to documents operations assistant in Libraries.

Clerical

Nancy J. Carra to clerk, accounting A in Agriculture.
Katherine S. DeShong to secretary B in Liberal Arts.
Karen Haldeman to secretary Bin Alumni Association.
Joni D. Ingram to clerk typist A in Science.
Beverly A. Keen to accounting clerk in Agriculture.

Hatti C. Reese to inventory clerk in Controller's Office.
Maria Russo to secretary B. in Human Development.

Technical Service

Harold S. Bagshaw to group leader, athletic equipment and facilities worker in Health, Physical Education and Recreation.
Larry S. Gohn to greenhouse worker (hort.) in Agriculture.
Florence Hawkins to cafeteria worker at Hershey.
Ray B. Mayopoulos to group leader, escort service lead at Hershey.
George E. Miller to food service worker A. Housing and Food Services at Capitol.
Gary P. Osborne to maintenance worker general C in Physical Plant.
Stewart L. Vonada to first cook, main kitchen at Nittany Lion Inn.

supply and handling liquid waste from milking centers for dairy farms. Mr. Wooding also worked closely with officials of the Pennsylvania Department of Environmental Resources concerning implementation of the Sewage Facilities Act. He served seven consecutive two-year terms as the University's official representative to the Sewage Advisory Committee an advisory group mandated by the act.

He conducted waste management seminars for fruit and vegetable processing industry personnel. He also provided educational programs relating to water supply, irrigation, and drainage for the state's turfgrass industry.

Mr. Wooding is a member of the American Society of Agricultural Engineers and served on numerous technical committees of the society. He also is a member of Gamma Sigma Delta, honor society in Agriculture; Alpha Epsilon, honor society in agricultural engineering, and Epsilon Sigma Phi, national honorary extension fraternity. He is a charter member and past president of the Extension Professors Association and member of the Pennsylvania Board of Extension Professional Associations.

A veteran of World War II and the Korean Conflict, he was active in the U.S. Army Reserve until his retirement as a colonel in 1972. He and his wife, the former Anna Lightner, of Tyrone, are the parents of three children, all of whom attended Penn State.

In fact, Mr. Blazer has driven for several of the University's presidents, including Dr. Oswald, Dr. Walker and Dr. Hetzel. "After Dr. Eisenhower, though, I didn't get to drive the presidents nearly as often — air transportation became the norm, and except for unusual instances, the presidents flew more than they traveled by car," he says.

Although driving for Penn State presidents has always been a special aspect of Mr. Blazer's work, he has held numerous other responsibilities.

He began his career in Central Extension (now Continuing Education) where he served as travel coordinator. Fleet Operations was organized in 1957, and Mr. Blazer was named its supervisor in 1960.

"Fleet Operations had its origins in the old Extension fleet," Mr. Blazer says. "The Extension fleet had the first two passenger cars on campus, two 1941 station wagons."

In 1957, Fleet Operations had 16 vehicles, which were taken over from the Extension fleet. Today, Fleet Operations has some 375 vehicles.

It has been Mr. Blazer's responsibility to oversee purchasing, maintaining and leasing the fleet, and his record is impressive: Fleet Operations not only functions smoothly in meeting the needs of the University, it also has an outstanding safety record.

"Safety has always been very important to every member of the Fleet Operations staff," Mr. Blazer says, "and although I may have been supervisor, much of that credit must go to the staff members who take such good care of the vehicles."

In 1971, Mr. Blazer was honored for his service to Penn State when he received the third McKay Donkin Award given annually to "that member of the faculty or staff who has contributed most to the general welfare of the University faculty." President Oswald presented the award during a special dinner at University House.

The award was established with contributions made by the family and friends of the late McKay Donkin, who prior to his death in 1968 had served more than 10 years as vice president for finance and as treasurer.

Mr. Blazer's wife, Betty L., also will retire from the University on Dec. 31. She has been a University secretary for 18 years, most recently in the College of Education.

A son, Steven, is a 1979 Penn State graduate, and daughter Suzanne worked as a University secretary. Both currently reside in the State College area.

Mr. and Mrs. Blazer plan some travel during their retirement, but will retain their State College residence. Mr. Blazer has been a member of the Alpha Fire Company since 1944, going onto the honorary list after 28 years of active service which included driving Alpha ambulances. He also is active in St. Paul's United Methodist Church of State College, where he has served as a trustee and as a member of the official board.

Col. Richie was a member of the University Senate for six years, serving on the committee for military instruction from 1959 to 1965. He directed the summer orientation program for incoming freshmen and their parents from 1967 to 1974, and served as assistant to the executive officer of the University Teachers Certification Council during the same period.

Save bumper stickers

Faculty and staff members who trade vehicles can save \$10 by returning all the fragments of their University parking bumper stickers or permits to their parking representatives.

If complete remnants are not returned, a \$10 fee must be charged for the issuance of replacement stickers, according to Allan Derzak, University parking coordinator.



W. D. Moir

W. S. Pierce



P. Bower

N. H. Wooding, Jr.

25-year chairs

William D. Moir, director, Office of Sponsored Programs, in the Office of the Vice President for Research and Graduate Studies, has received his 25-year award.

Mr. Moir joined the University staff in September, 1956, as a research assistant in the College of Engineering. From 1957 to 1963 he was an accountant in the Controller's Office.

In 1963, Mr. Moir was named contract negotiator and coordinator for the University, and in a reorganization of that office in 1979 he was named to his present position.

Mr. Moir is a Penn State graduate, having received a bachelor of science degree in business management in 1957.

William S. Pierce, associate librarian and chief of facilities planning for the University Libraries, has received his 25-year chair.

Mr. Pierce, who joined the University in 1956 as Extension librarian, began working in 1959 in library programs concerned with Commonwealth Campuses and Continuing Education, serving as assistant director of libraries for Commonwealth Campuses and Continuing Education until 1970.

At that time, he was appointed to his present position, and more recently has divided his time between facilities planning and as an archivist in the Penn State Room at Pattee Library.

During the early years of his tenure, he was responsible for establishing library programs at all the campuses. Later he had a large role in building fifteen library buildings at Commonwealth Campuses and University Park.

Mr. Pierce holds degrees from West Virginia Wesleyan College and the Carnegie Institute of Technology. He is a nationally-known consultant on library buildings and furnishings, and has recently completed a book, *Furnishing the Library Interior* (NY: Marcel Dekker, 1980). He lives in State College with his wife, Mitam, who also is a librarian at Penn State, and their three children.

For **Phil Bower**, Montoursville RD 1, being transferred to a job in the Williamsport area 10 years ago meant coming home.

Mr. Bower, area director for the Continuing Education Office at the Williamsport-Lycoming County Airport at Montoursville, was recently recognized for 25 years of University service. The Williamsport native began his Penn

State service in 1956 as a district representative at the DuBois Campus and transferred to University Park in 1960 as coordinator of adult courses in the College of Business Administration.

"Everybody said I should get some experience in a metropolitan area, so I transferred in 1965 to the Ogonitz Campus as a district administrator," he said. Three years later, he moved to the Delaware County Campus, then assumed his present duties in 1971.

"Working around the city didn't kill me, but I was certainly happy when I was offered this job right back here where I grew up," he explained. An avid outdoorsman, he finds the mountainous Northern Tier counties much to his liking.

Mr. Bower is responsible for Continuing Education credit and credit-free programs in Lycoming, Potter, Tioga, Bradford, Clinton, Sullivan, Union, and Snyder Counties, in addition to portions of Northumberland and Montour Counties.

He is a graduate of Williamsport High School and Lycoming College, where he earned a bachelor of science degree in business administration. He also received a master of education degree from Indiana University of Pennsylvania.

Mr. Bower and Mrs. Bower, the former Shirley A. Platt, also longtime resident of Williamsport, have three daughters, Karen and Linda Bower and Mrs. Faith Shalls.

Retirements

N. Henry Wooding, Jr., professor of agricultural engineering Extension, will retire Jan. 1 with 32 years of service.

A native of Virginia, he received a bachelor of science degree from Virginia Polytechnic Institute and master of science degree from Rutgers University. Both in agricultural engineering. As Extension specialist, Professor Wooding has conducted educational programs relating to water supply waste management, sewage disposal, and conservation and management of natural resources.

He has worked with farmers and rural homeowners in solving domestic water supply and sewage disposal problems. He also assisted local and state government agencies, planning commissions, and community leaders on activities designed to solve environmental pollution problems.

As a member of the Northeast Dairy Practices Council he helped develop regional guidelines for potable water



Samuel C. and Betty L. Blazer

Trips to the White House and Camp David are among many fond memories recalled by Samuel C. Blazer, supervisor of Fleet Operations, as he reviews his 40 years as a University employee.

Mr. Blazer, who will retire Dec. 31 after working for Penn State since Nov. 21, 1941, says "one of the biggest thrills" of his career was driving for University President Milton S. Eisenhower.

"I got to retire President Eisenhower to Camp David, Gettysburg and the White House for visits with his brother. It was always an enjoyable time, as the Eisenhowers were very friendly people," he notes.

Obituary

Col. Ellis B. Richie, U.S. Army, Ret., former instructor in education and professor of military science, died Wednesday, Dec. 2, in El Paso, Texas. Col. Richie, who was 71, retired in 1975 as assistant for student affairs and instructor in education in the College of Education. He previously had retired from the Army in 1965, after serving six years as professor of military science and head of the Army Reserve Officer Training Corps program at Penn State.

A native of Stigler, Okla., Col. Richie was a graduate of Southeastern (Okla.) State College where he earned a bachelor of arts degree in history and education. He pursued graduate studies in educational administration at the University of Chicago and the University of Oklahoma, and received a master of education degree from Penn State in 1964.

Capitol Campus historian describes his 'sudden' turn to fiction

Editor's note: This article is one in an on-going series in which a faculty member describes work in progress.

By George D. Wolf
Professor of American Studies and History

Why does a historian who has just seen the release of his biography of a major figure in Pennsylvania politics (*William Warren Scranton, Pennsylvania Statesman*, Penn State Press) suddenly turn to writing fiction? More than any other, this is undoubtedly the most frequent question about my recent work. Although the reasons are varied, they are not particularly complex.

Predominant is the simple fact that the fictional context allows the author a certain freedom of action which is more dependent upon his intuition and creativity than upon the rules of evidence for traditional historical scholarship. But why the switch?

In the first place, I was not trained as a traditional historian. My degree in American Studies, or American Civilization as it is departmentalized at the University of Pennsylvania, was an early influence. The twin disciplines of history and literature have provided the basis for a program I feel belongs in the Humanities, as it is at the Capitol Campus.

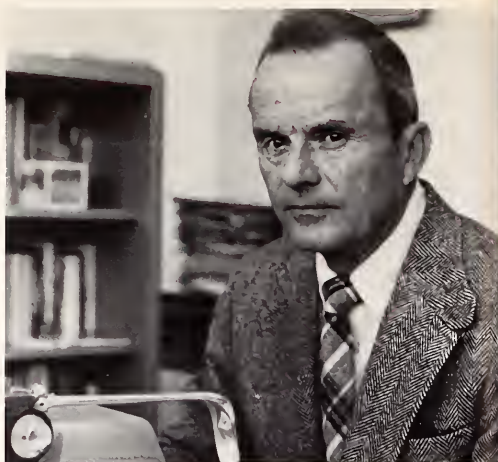
Having taught history for years with occasional injections of literature, I now find that I am more interested in teaching literature with an historical background. My graduate seminars tend to be built around literary classics like *Huckleberry Finn*, *All the King's Men*, *The Red Badge of Courage*, and others. Since I believe that "history is about chaps", as H.T. Buckle, the English historian, once wrote, then it

seemed quite natural to me to move from Bill Scranton to my fictional Terry Freeman to comment on the contemporary political and social scene.

Secondly, a life-long interest in American political novels has familiarized me with the genre. I've been teaching such a course for years. Why not write a political novel? Besides, my political involvement over the past 30 years was an added boon. As a special assistant to Governor Scranton, I kept a daily journal, something I repeated during my stint as Historian for the Constitutional Convention of 1967-68. Such notes are fodder for the political novelist.

My best time for fictional writing has been in the summer when concentrated blocks of time are available to me. Interest in the genre and thoughts about Chappaquiddick three years ago prompted a mistaken plunge into the writing at that time. I soon found that a different kind of organizing and planning, as well as research, was absolutely necessary. Consequently, after a false start, I began doing chapter synopses and character sketches until the next summer. Even then, I found it necessary to re-write the two chapters I had completed. Now, after obtaining other opinions, I'm going to do more rewriting. My characterizations, for one thing are not sufficiently developed.

A two- to four-hour summer morning regimen best suits me and over the past two years I have completed a draft which is still unsatisfactory at this point. In addition to the problems with characters, I have divulged too much of the plot through the narrator, a vital factor if I intend to maintain any reader interest. My biggest mistake was in trying to "get something on paper". Unlike my



George D. Wolf

scholarly efforts which are buttressed by footnotes and the like, I need more information on my characters and in the synopses. The manuscript is just too thin, despite the fact that it runs to some 300 or more pages.

I try to do a chapter a week, which means three to five pages or, roughly, 1,000 to 1,500 words. This past summer I was much more regular in maintaining a Monday through Friday schedule.

At this juncture, I feel that I have a good idea and the possible context in which I

can make the comments I want to make about politics and human existence. But still have a long way to go. Although an agent has agreed to read the manuscript, and that is an essential with fiction, I don't think I'm ready to take that step at this moment. Publishers are beyond the realm of any consideration just now. A lot of plain hard work, rewriting, fleshing out characters, and considering a more persistent theme as well as a plot, will have to be experienced before I can even begin to consider this effort satisfactory.

College of Agriculture presents numerous 25-year service awards

Thirty-five staff members in the College of Agriculture received 25-year Service Awards recently during ceremonies at the Nittany Lion Inn. They are: 1. Clarence R. Bryan, Jr., Extension agent in Delaware County; 2. John W. Mastalerz, professor of horticulture; 3. Thomas E. Piper, senior Extension agent in Adams County; 4. Marshall S. Garretson, senior orchard worker and machine operator at Fruit Research Laboratory, Biglerville; 5. Robert H. McAlexander, assistant dean and director of International Agr. Programs; professor of farm management; 6. John E. Brockett, Jr., associate professor of agr. economics Extension; 7. Henry D. Gerhold, professor of forestry; 8. Larue K. Thomas, Extension agent in Tioga County; 9. John W. Bergstrom, assistant professor and assistant to the director of Agricultural and Home Economics Extension; 10. C. Rodney Knepp, animal caretaker in Veterinary Science; 11. B. Wayne Kelly, professor of farm management Extension; 12. Harold E. Neigh, associate professor of consumer economics Extension; 13. Arva W. Gates, agronomy technician A; 14. Alvi O. Voigt, professor of agricultural economics Extension; 15. Norman L. Perschke, associate Extension agent in Warren County; 16. Merrill W. Moore, agronomy technician A; 17. J. Calvin Sammons, Extension agent in Lawrence County; 18. Warren R. Poage, supervisor, Dairy Production Research Center, judging coach; 19. Thomas B. Jurchak, senior Extension agent in Lackawanna County; 20. George F. Parnell, lab assistant, Soil Testing Laboratory; 21. William A. Reagan, Jr., Extension agent in Franklin County; 22. Doyle L. Thomas, Extension agent in Susquehanna County; 23. Norman D. Walters, supervisor, Dairy Production Research Center; 24. Peter H. B. Norton, assistant professor of rural sociology Extension; 25. Dexter N. Putnam, professor emeritus of dairy science Extension; 26. Edward G. Buss, professor of poultry science; 27. Robert C. Antram, Extension agent in Somerset



County; 28. Lura J. Sollenberger, Extension agent in Bedford County; 29. Catherine B. Love, assistant professor of consumer economics; 30. Margaret C. Herbst, Extension agent in Lycoming County; 31. Audrey M. Phelps, supervisor, Agr. Communications Office (retired); 32. Uraña B. Linn, senior Extension agent in Venango County; 33. Helen D. Tunison, senior Extension agent in Adams County. Missing from the photo are Merrill H. Duck, equipment service operator in the Farms Department, and Marjorie L. Rudy, secretary B in the Soil Testing Laboratory.



Penn State Forum

Penn State Intercom

An open letter to the University community

On Friday and Saturday, January 22 and 23, the Office of the President, the Office of the Provost, and the University Faculty Senate are sponsoring a keynote conference on general education. Planning for the conference was initiated with the strong encouragement and support of Dr. Oswald, who held discussions with the Faculty Advisory Committee and the Council of Academic Deans prior to the formulation of a conference steering committee. Throughout, the President has indicated his desire to develop a conference that would involve the entire University community.

The conference will be the first part of a concentrated reassessment of general education that will draw upon previous considerations and activities of the faculty, and continue during the next several months at the Commonwealth Campuses, departments, and colleges of the University. Between January and May, a series of continuing programs will be organized by designated conference delegates and form the basis of a second plenary conference at University Park on May 7 and 8.

The program for the January keynote conference accompanies this letter. This program, and the continuing dialogue that will occur between the two conferences, will be informed by five basic issues which have been developed by the conference committee.

Objective and Assessment

What common learning is essential? Is there a distinctive mark of a student with a general education? What intellectual abilities and qualities of mind are inherent in any meaningful description of general education? How do we assess the fulfillment of general education objectives?

Content and Connections

To what extent can the liberal arts and sciences be related to the professions and result in an education pertinent to the contemporary world? What is an appropriate balance between the breadth and depth elements of general education? What intellectual and practical skills are essential to a general education? How should general education prepare a student for a world that has increasingly become a global community?

Articulation in the Curriculum and the Profession

What should be the relationship of the high school

curriculum to general education? How can the educational objectives of both general education and the academic major be more effectively integrated? Can a greater synthesis between the objectives of general education and career aspirations be realized so that the student is adequately prepared for graduate and professional school as well as the world of work?

Faculty Role

Who are the faculty members responsible for providing the experiences of general education? What type of preparation is necessary to provide students with general education? To what extent does the faculty need to be retrained for general education requirements in a technological age? How can the faculty reward system be modified to recognize faculty contributions to general education?

Organizational Change

What strategies are most appropriate for the University to reexamine the curriculum systematically and implement change effectively? Is the University's organizational structure responsible to the need for change in the curriculum?

More than 200 University delegates to the conference have been designated by college deans and Commonwealth Campus directors. Representatives of state government, the state legislature, other colleges and universities, and industries have also been invited and will be attending the conference as delegates and panelists.

Designated college and campus delegates to the January keynote conference, in coordination with the Sub-Committee on Continuing Programs, will have the responsibility for organizing specific programs and promoting an ongoing dialogue during the period between the keynote and plenary conferences. Materials will be provided to stimulate the continuing sessions at the Commonwealth Campuses and in the colleges: a thirty-minute videotape and printed summary of the keynote conference, a collection of significant articles dealing with general education, and an annotated bibliography. Throughout these sessions, the University will have the support of the Center for General Education of the Association of American Colleges,

whose director Dr. Jerry Gaff has just completed the supervision of a three-year project that has developed general education models at 14 colleges and universities across the country. In addition, Dr. Gaff will be the keynote speaker at the plenary conference on May 7.

The continuing sessions will also provide the framework for developing the remainder of the May conference program. Each delegate from a campus, department, or organization outside the University is invited to prepare a position paper on any one or more of the live conference issues as well as on any aspect of general education that concerns the University community. The paper should be forwarded to Gregory Lozier, coordinator of the Conference on General Education, Room 315 Old Main. These position papers will be summarized prior to the May conference and distributed to all conference delegates. The papers will also be reviewed by a conference editorial board for consideration in a publication of conference proceedings. The edited proceedings will be published as a special issue of the *Journal of General Education* and will include the speeches of the keynote speakers at both conferences. An hour-long program for the Pennsylvania Public Television Network will feature the highlights and recommendations of the conference; a number of ten-minute programs will be aired on *Weather/World*, *PTPN*, so that the considerations of the conference will be shared with a larger audience; and the audio-video tapes of the conferences will be made available, for a nominal fee, to other college communities and to the public at large.

General education is a University-wide concern. It is also a concern of national proportions as educators seek coherence in an age of specialization, disconnected learning, intense vocationalism, and curricular fragmentation. All faculty members, academic administrators, and students share in this important component of a baccalaureate education; it is the foundation of our house of intellect. We invite you to attend the initial keynote conference on Jan. 22-23 and encourage you to participate in the continuing dialogue which will be occurring across the entire University during the next several months. We welcome your ideas and concerns, and urge your support for this important effort.

Theodore L. Gross, Chairperson, Sub-Committee on the Keynote and Plenary Conferences
Carol A. Cartwright, Chairperson, Sub-Committee on Continuing Programs

The names of conference participants and the program can be found on page 4

University community can submit AMOCO, Lindback nominations

The University community is invited to submit nominations for two all-University awards which will be presented during 1982. They are the AMOCO Foundation Outstanding Teaching Awards and the Christian B. and Mary F. Lindback Award for Distinguished Teaching.

Nominations should be sent to College deans and Campus directors. They, in turn, will submit official nominations from their units to the Vice President for Undergraduate Studies by March 15, 1982.

Four AMOCO awards, recognizing excellence in teaching performance in the undergraduate program by senior faculty members, will be presented. At least two of the awards will be made to professors at campuses other than University Park.

To be eligible for nomination, a faculty member must have a minimum of three years of service; have undergraduate teaching as a major portion of his or her assigned duties; and hold the rank of assistant, associate or full professor.

Candidates for the Lindback Award must be tenured faculty members, with a minimum of five years of Penn State

service. Undergraduate teaching should be a major portion of the assignment of the nominee, who should also be young enough to have many productive years of teaching ahead.

Names sought for computer director

Nominations are being sought by the Search Committee for the Director of Computer and Information Systems and Special Assistant to the President.

The individual filling this new position will report to the President of the University and work closely with senior University officers in developing and implementing comprehensive University-wide computing and information systems.

In his charge to the Search Committee, Dr. Oswald noted that the individual selected for the position must have strong skills in management of complex computer facilities, including extensive knowledge of hardware and software. *(Continued on page 6)*

Distinction between 'process' and 'outcome' occupies psychologists

Editor's note: This article is one in an ongoing series in which a faculty member describes work in progress.

By Michael J. Mahoney
Professor of Psychology

There are over 130 recognizably different psychotherapies in use today and this figure does not include the growing multitude of popular methods for personal growth. All purport to have harnessed the basic forces that direct a human life, and all offer advice on the pragmatics of how best to live that life. This is the point at which science is supposed to intervene and decide the issue with a clear verdict etched in fact. But science doesn't operate like that and the trustworthiness of the various claims has yet to be unequivocally rendered. For the past three decades much of the research energy in clinical psychology has been directed at the venerable issues of effectiveness and technical superiority — i.e., "does psychotherapy work?" and "which is the best therapy?" Many responses have taken the form of a factorial footrace —



Dr. Mahoney

psychoanalysis in lane one, behavior modification in lane two, and so on — each contestant focusing on certain suspected sources of variance. The results of these footraces have been none too clear. Like the disgruntled lunar scientists, we seem to have finally accumulated a

(Continued on page 6)

Penn Staters

Dr. Harriet C. Ison, assistant professor of microbiology at Hershey, has received a Research Career Development Award from the National Institutes of Health for a research proposal on the "Regulation of Differentiation in Hepatocytes in Vitro." A faculty member since 1976, Dr. Ison holds a Ph.D. from the University of Illinois.

Dr. Gordon F. De Jong, professor of sociology and associate director of the Population Issues Research Center, co-authored three recent invited papers for international conferences: "Community Structure, Value-Expectancies and Migration Intentions" for the Third Conference of Asian Sociologists, Tokyo, Japan; "Reasons for Moving and Migration Behavior," for the United Nations Economic and Social Commission for Asia and the Pacific, Bangkok, Thailand; and "International and Internal Migration Decision Making," for the 19th General Conference of the International Union for the Scientific Study of Population, Manila, Philippines.

Dr. Don N. Page, assistant professor of physics, presented several invited seminars in the U.S. and England during the past term. They included a colloquium at the University of Delaware entitled "Is Gravity Quantized?"; a relativity seminar on "Indirect Evidence for Quantum Gravity" at the University of Maryland Physics Department; and an invited paper at the Nuffield Quantum Workshop Imperial College of Science and Technology, London. The paper, "An Experimental Test of Quantum Gravity," will be published in the conference proceedings by Cambridge University Press.

Dr. Richard L. Frautschi, professor of French and Department head, presented an invited lecture, "Les Axes du discours narratif: essai d'une taxonomie appliquée a quelques romans francophones du 18e siècle," at the Congres d'Informatique et Science Humaines at the University of Liege in November.

Dr. David Tu, assistant professor of biochemistry and molecular biology, presented an invited paper at the Academia Sinica, Taipei, on Jan. 12. His topic was "Transposable Elements and Gene Expression."

Dr. Turgay Ertekin, assistant professor of Petroleum and Natural Gas Engineering, presented an invited paper at the 2nd International Conference of Advances in Heavy Oil Recovery in Caracas. The title of Dr. Ertekin's presentation was "A Comparative Laboratory Evaluation of Potentials of Micellar Flooding in Oil-Wet and Water-Wet Systems."

Herschel W. Leibowitz, Evan Pugh Professor of Psychology, has been appointed to a new committee of the National Academy of Sciences-National Research Council, The Working Group on Simulation, within the Committee on Human Factors, will try to develop new, improved methods for researching human performance.

Dr. Leibowitz recently presented a seminar on "Implications of the Two Systems Subversing Smooth Eye Movements for Illusory Motion." He spoke at the University of Rochester's Center for Visual Science.

The National Association of Industrial and Technical Teacher Educators has honored Dr. David L. Passmore, associate professor of vocational education, for producing the "Outstanding Research Manuscript" published in Volume 18 of the *Journal of Industrial Teacher Education*. The manuscript is titled "Estimation and Correction of Selectivity Bias Due to Non-returns in a Mail Survey of Deaf Postsecondary Occupational Program Graduates."

Dr. Sherry L. Willis, associate professor of human development, has co-authored a new book, *Human Development and Behavior*, with Dr. Jere E. Brophy of Michigan State University.

The 500-page text is intended for human development courses that take a lifespan approach. It covers human development from conception until death.

Published by St. Martin's Press, Inc., the book contains 20 chapters arranged in pairs. The first chapter of each pair presents theory and research on a topic; the second, the social implications and practical applications.

An instructor's manual is available with the book, along with a test booklet including more than 1,500 essay and multiple choice questions.

Dr. Allan Rodgers, professor of geography, spent recently as a distinguished lecturer in regional development at the University of Waterloo in Canada.

Jerry M. Lefkowitz, senior project associate, Department of Statistics, presented an invited paper and poster session recently at the 43rd session of the International Statistics Institute in Buenos Aires, Argentina. The paper was entitled, "Minitab on Microcomputers: Use and Implementation"; the poster session, "Portability and Distribution of Minitab." Dr. Thomas A. Ryan, Jr., associate professor of statistics, is co-author of both papers.

Dr. Peter Everett, assistant professor of man-environment relations, has been named chairman of the Transit Service Characteristics Committee of the Transportation Board, an agency of the National Academy of Sciences. His five-year appointment begins in February. The committee's function is to identify areas where transit systems could be more responsive to passenger needs.

Dr. Ralph L. Webb, professor of mechanical engineering, has been elected a Fellow of the American Society of Mechanical Engineers (ASME).

Dr. Francis T.S. Yu, professor of electrical engineering, has been elected a Fellow of the Optical Society of America.

Dr. Richard R. Hill, Jr., and Dr. Gary W. Petersen, have been named Fellows of the American Society of Agronomy. Dr. Hill is research agronomist and research leader of the Regional Pasture Research Laboratory at University Park. Dr. Petersen serves as co-director of the Office for Remote Sensing of Earth Resources and professor of soil genesis and morphology.

Jerrold Maddox, professor of art and director of the School of Visual Arts, has been elected chairman of the National Council of Art Administrators.

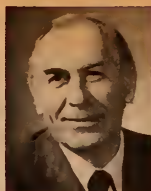
Dr. Robert F. Nicely, Jr., coordinator of continuing education and commonwealth relations in the College of Education, is president-elect of the Pennsylvania Association for Supervision and Curriculum Development. Dr. Nicely, associate professor of education, is serving also on the Board of Directors of the Association for Continuing Professional Education.

Donald W. Leslie, associate professor of landscape architecture at the University, has been elected vice-president of the Pennsylvania-Delaware chapter of the American Society of Landscape Architects.

Dr. Charles S. Prebish, associate professor of religious studies, has been elected to a second term on the board of directors of the International Association of Buddhist Studies.



Dean Swope



Prof. Goltz



Dean Decker

Retirements

William S. Decker, assistant dean for students and associate professor of marketing in Business Administration, retired Jan. 1 after more than 31 years on the faculty. He will hold the title of assistant dean emeritus.

Dean Decker came to Penn State in 1950 as an instructor in marketing. He was named assistant professor in 1952 and associate professor in 1965. He became assistant to the dean of the College of Business Administration in 1965 and was named assistant dean for students in 1972.

A native of Indiana, Dean Decker received his bachelor's degree in marketing and his master of arts degree in marketing and advertising from the University of Iowa.

He enlisted as a private in the U.S. Army Air Corps in 1941 and retired from the U.S. Air Force Reserve as a Lt. Colonel in 1979. During World War II, he served as an air intelligence officer with the Mediterranean Allied Tactical Air Force in Africa, Sicily and Italy.

Dr. Robert E. Swope, assistant dean of resident education in the College of Agriculture since 1964, retired Jan. 1. He was also a professor of veterinary science and has retired with emeritus rank after serving since 1951.

Working with students, developing the undergraduate teaching program in the College and coordinating international agriculture programs were Dr. Swope's major concerns as an administrator. He spent two years (1958-60) in India with the U.S. Agency for International Development and returned in 1969-70 as director of a Penn State project there. He helped set up a new university and six agricultural colleges, coordinating project support.

In 1966-67, he served as a consultant in veterinary medicine in Chile with the Rockefeller Foundation, and during the 1970s was involved in University programs in India, Spain and Jamaica.

As a researcher in veterinary science, he helped resolve the mystery of "X-disease" in cattle, a disease found to be caused by toxins introduced into pelleted feed from oil used in the pelleting machinery.

Dr. Swope received his DVM degree from the University of Pennsylvania. Prior to joining the University, he was a Captain in the U.S. Army Veterinary Corps and an associate professor at the University of Maryland.

Paul F. Anderson, accountant-student loans in the Controller's Office, retired Jan. 1. He had been a University employee since May 9, 1955.

Gail E. Dando, stock delivery clerk in Business Services, retired Dec. 4 after serving Penn State since June 1, 1952.

Bridget M. Drain, residence hall worker in Housing and Food Services, retired Jan. 1. She had been employed by the University since Oct. 26, 1971.

Associate county agent in Agriculture, Rebecca Drick, retired Jan. 1. She had been employed by the University since Oct. 1, 1965.

Malcolm Eckley, photographer-printer in Continuing Education, retired Jan. 1 after working for the University since Jan. 3, 1949.

Completing nearly 30 years of service, Helmut J. Goltz, professor and head of the Department of Labor Studies, retired Jan. 1 with emeritus rank.

From 1952-64, Professor Goltz worked primarily as a program director in labor education for Penn State, first at the Allentown General Extension Center and then, from 1957, with General Extension at University Park.

He was named associate professor in 1959 when the Department of Labor Education was created. In 1964, he was promoted to professor and department head (the department changed its name to Labor Studies in 1967).

Under his leadership, the Department established the labor studies major (1970), which enrolls 80-90 students annually. It also established the associate degree in labor studies (1973) at the Berks, Delaware and Worthington Scranton campuses. In Pattee, the Labor Archives Project was initiated.

An Allentown native, Professor Goltz received his bachelor's and master's degrees in history from Temple University in 1936 and 1937. His research has focused on unemployment and economic growth. Among his many professional activities was his appointment, at President Carter's request, to the National Advisory Council on Extension and Continuing Education.

After serving as Invitational Professor of History at Arizona State University in Tempe during spring semester 1982, Professor Goltz will return to State College and engage in consulting assignments with union and university labor studies centers.

Jan M. Elicker, extension agent in Agriculture, retired Jan. 1 after serving the University since June 15, 1947.

Martha M. Giannetti, senior accounting clerk in Continuing Education, retired Jan. 1. She had been employed by Penn State since Nov. 1, 1969.

Mary Ellen Goss, residence hall worker in Housing and Food Services, retired Jan. 1 after serving the University since Sept. 2, 1965.

Maintenance foreman at Mont Alto, Clarence L. Harbaugh, retired Jan. 9. He had been a University employee since Oct. 16, 1965.

Joseph H. Harris, body repairer in Physical Plant, retired Jan. 1 after working for Penn State since May 4, 1970.

Residence hall worker in Housing and Food Services, Elvie E. Henry, retired Jan. 1. She had served Penn State since Sept. 1, 1971.

Research aide in Intercollege Research Programs, Howard W. Hester, retired Jan. 1. He had worked for the University since Sept. 1, 1968.

Georgeanna M. Hillard, secretary in Liberal Arts, retired Jan. 1 after being employed by the University since Oct. 16, 1969.

College health nurse at Ogontz, Sarah D. McFarland, retired Jan. 1. She had been a University employee since Sept. 1, 1966.

Joseph H. Owens, painter in Physical Plant, retired Jan. 1 after serving Penn State since June 8, 1970.

George Reisinger, assistant supervisor-technical services in Earth and Mineral Sciences, retired Jan. 1 after being employed by the University since May 1, 1968.

Philip Saggese, storekeeper in Earth and Mineral Sciences, retired October 1. He had been a University employee since Feb. 1, 1954.

Jane Sari, food production worker at McKeesport, retired Jan. 1 after working for the University since Nov. 4, 1971.

Corinne Summers, secretary in the Controller's Office, retired Jan. 1. She had been employed by the University since Oct. 23, 1963.

June A. Wisner, secretary in Undergraduate Admissions, retired Jan. 1 after serving Penn State since Nov. 1, 1966.

Geneva W. Workman, food preparer in Housing and Food Services, retired Jan. 1 after working for the University since Sept. 30, 1967.

Appointments

Pamela S. Cutright as extension clothing and textiles specialist at University Park, B.S., West Virginia Wesleyan College; M.S.H.E., U. of North Carolina. Extension clothing and textile specialist, Montana Cooperative Extension Service.

Dwight Davis as assistant professor of medicine at Hershey, B.S., North Carolina Agricultural and Technical State U.; M.D., U. of Rochester School of Medicine. Fellow, Duke U. Medical Center.

Robert B. Duckrow as assistant professor of medicine at Hershey, Sc.B., Brown; M.D., Yale. Research associate, U. of Miami School of Medicine.

Richard J. Frisque as assistant professor of science at University Park, B.S., Ph.D., U. of Wisconsin-Madison. Fellow, CSH Laboratory.

J. Michael Fritsch as associate professor of meteorology at University Park, B.S., P.S.U.; M.S., Ph.D., Colorado State U. Research meteorologist, Office of Weather Research and Modification (NOAA) (Boulder, Colorado).

John Hermanovich Jr. as assistant professor of medicine at Hershey, B.S., P.S.U.; M.D., Jefferson Medical College. Fellow, U. of California at Davis.

Leroy R. Hettche as professor of engineering research and director of Applied Research Laboratory at University Park, A.B., B.S., Bucknell U.; M.S., Ph.D., Carnegie-Mellon U. Superintendent, Material Science and Technical Division, Naval Research Laboratory.

Victor Levine as assistant professor of education at University Park, B.A., U. of Cincinnati; M.A., M.Ed., Teachers College/Columbia U.; M. Phil., Ph.D., Columbia U. Staff economist, Office of Policy, Planning and Evaluation, FNS-USDA.

James W. Locker Jr. as coordinator of the Equal Employment Opportunity Program (Cooperative Extension Service) at University Park, B.S., U. of Florida. Employment specialist and administrative specialist, P.S.U.

Callian T. Lum as assistant professor of surgery and chief of the transplant section at Hershey, M.D., Tufts U. School of Medicine. Fellow, U. of Minnesota.

Paula J. Romano as director of the histocompatibility and clinical immunology laboratory at Hershey.

B.A., Catholic U. of America; Ph.D., Duke U. Instructor, Georgetown U. School of Medicine.

Mary A. Simmonds as assistant professor of medicine at Hershey, A.B., Smith; M.D., Medical College of Pennsylvania. Fellow, Hershey.

Carpoolers

June Allison needs a ride from Milesburg. She works from 7:30 a.m. to 4:40 p.m. at Nurses Ed. She can be reached at 355-4317 after 5 p.m.

Peg Krumline needs a ride from University Acres (Buffalo Run Road) to the University. She works from 8 a.m. to 5 p.m. in White Bldg. and can be reached at 865-1102 or 355-7150.

Mary McClure is seeking a ride from Bellefonte to the University. She works from 8:30 a.m. to 5:30 p.m. and can be reached at either 865-7623 or 355-9197 (after 6:30 p.m.).

Suzanne Sinclair is looking for a ride or someone to share driving from Centre Hall. She works from 8 a.m. to 5 p.m. at Whitmore Lab. Call either 863-0284 or 364-9731.

John Uffrin is seeking a ride or looking for riders from the Hollidaysburg area or Altoona. He works at Management Services from 7:45 a.m. to 4:45 p.m. He can be reached at either 863-1459 or 696-0829.

Robert Wood, of Centennial, would like to carpool. He can be reached at 865-7271 or 692-8515.

Obituaries

Gerald J. Blozitis, head of Publications and Public Information for the Commonwealth Educational System from 1971 to 1981, died Dec. 23. He was 38.

Clyde G. Corle, professor emeritus of education, died Dec. 5. A member of the faculty from 1952 to 1973, he was 73.

Lottie Crissman died Nov. 28 at the age of 85. She was employed as a mending clerk in the Libraries from 1926 to 1961.

Joseph Dean, janitorial worker with the Office of Physical Plant from 1943 to 1968, died Dec. 13 at the age of 78.

Henry R. Fortmann died Dec. 6. He was 61. He joined the faculty in 1949 and at his retirement in 1979 was professor of agronomy and assistant director of the Agricultural Experiment Station.

Robert S. Hamilton, who was a foreman in the Applied Research Laboratory and a member of the staff from 1946 to 1979, died Dec. 15 at the age of 65.

John E. Malloy, a glassblower in the College of Science from 1956 to 1975, was employed as a building superintendent for Student Affairs at his death on Dec. 16. He was 54.

Garnier Mitchell, who retired as an extension agent in the College of Agriculture in 1980, died Dec. 5 at the age of 54. He had joined the staff in 1954.

S. Catharine Neidigh, laboratory attendant in the College of Agriculture from 1957 to 1973, died Dec. 23 at the age of 70.

Ether Spicher, secretary in the College of Business Administration from 1963 to 1981, died Dec. 17 at the age of 60.

Ruth Wagaman, a counterwoman with Housing and Food Services from 1950 to 1967, died Dec. 30 at the age of 78.

Promotions

Faculty

Douglas W. Nigh to assistant professor of international business in Business Administration.

Staff Exempt

Victoria G. Bordin to supervisor, student records in Registrar.

Daniel W. Greening to assistant director, Student Employment Programs/CC Aid Delivery in Student Administrative Services.

Charlotte J. Hitchcock to graduation coordinator in Registrar.

Gewn Karten to assistant dining hall supervisor in Housing and Food Services.

Bruce N. Kline to manager, Safety, Police & Security Program, C.E.S. in Safety.

Edward W. Kyler to associate housekeeping supervisor in Housing and Food Services.

Dora G. Ream to administrative assistant to the Director at York.

John E. Rideout to manager of staff services in Safety.

Beatrice Spangler to dining hall supervisor in Housing and Food Services.

Staff Non-Exempt

Barbara A. Arvey to senior staff nurse at Hershey.

Kathleen M. Dorsey to senior staff nurse at Hershey.

M. Jean Englerider to assistant to the financial officer at Capitol.

Clerical

Shirley A. Egan to secretary B in Continuing Education.

Bonnie Eichenberger to secretary A in Controller's Office.

Rela Gilliland to secretary B in Registrar.

Ruth K. Hoffer to secretary B at Hershey.

June Krell to customer service clerk A in Bookstore.

Nancy Potts to clerk, accounting A in Controller's Office.

Jeanette M. Schwartz to secretary A at Hershey.

Margaret M. Williams to secretary C in Alumni Association.

Carole J. Yearick to secretary B in Agriculture.

Technical Service

Timothy W. Chamberlain to dining hall worker A in Housing and Food Services.

Marlin E. Luse to fuel and car wash attendant in Business Services.

Carl Martin to laboratory mechanic in Earth and Mineral Sciences.

Robert A. Mohl to patrol officer-Medical Center at Hershey.

John F. Rattenbury to senior patrol officer at Hershey.

Fay R. Smith to escort service aide at Hershey.

Staff Development

Among the 25 employees who recently completed the Writing Skills for Secretaries/Clericals Program were:

Lisa Bauman, clerk typist A, Agriculture; Grace Condo, secretary A, IRP; Lois Cook, secretary B, Earth and Mineral Sciences; Dottie Duck, secretary B, Earth and Mineral Sciences; Kathy Evey, clerk typist A, Agriculture; Darla Franks, clerk, curriculum material, Education; Barbara Gates, secretary C, Health, Physical Education and Recreation.

Sandy Gild, clerk, publications, Agriculture; Judy Hoy, clerk typist A, Agriculture; Marie Hughes, senior office secretary, University Health Services; Sue Kelleher, clerk typist B, Agriculture; Pat Long, clerk accounting A, Continuing Education; Sandy Lowery, clerk A, Agriculture; Cindy Miller, secretary B, Bursar's; Marilyn Mitinger, secretary C, Continuing Education; Loida Muniz, clerk, publications B, Education; Judy Musser, correspondence typist A, Physical Plant; Kaye Musser, clerk typist B,

Health, Physical Education and Recreation.

Linda Padron, clerk B, Physical Plant; Barbara Prucey, clerk typist A, Physical Plant; Kathy Ricker, secretary B, Foreign Studies; Ruth Stoner, procedures clerk, Registrar's Office; Linda Whitehill, conference secretary, Continuing Education; Rita Williams, secretary C, Planning and Budget; Vicki Zimmerman, clerk typist B, IRP.

Fourteen University staff personnel recently completed the initial Alcohol Awareness Program. The course, designed and taught by Dr. William Eck, associate professor of health education, is intended to create an awareness of the use, non-use, and problems associated with beverage alcohol. Participating were:

Donald Arndt, director, housing services, Housing and Food Services; Jack Brown, director, facilities planning, maintenance and laundry operations, Housing and Food Services; Duane Callahan, supervisor, airport operations, Business Services; F. David Dimmick, personnel coordinator, Human Development; William Fuller, HUB manager, Student Affairs; Dennis Hulse, events manager, Health, Physical Education and Recreation; Joan Lampman, coordinator, personnel and administrative services, Engineering;

Richard Lucas, assistant athletic director, Health, Physical Education and Recreation; Charles Ness, librarian and assistant dean, University Libraries; Valerie Nisbet, administrative assistant, Graduate School; Chuck Phillips, assistant personnel director, ARL; David Rice, manager, landscape/vehicle and equipment maintenance, Physical Plant; Norma Ruedy, secretary A, Business Services; Esther Smith, administrative aide, Engineering.

25-year Chairs

Elmer Swanger's 25 years at Penn State reflect not only a good employment but also a safe driving record. Mr. Swanger, a refuse collector and mechanics helper in Physical Plant, has been selected to participate in the University's Safe Driving Awards Program.

"Mr. Swanger's driving record is outstanding for the number of years that he's been driving a vehicle," comments Don Weaver, supervisor of the Operating Equipment Facility. "He also maintains his equipment and keeps it in good condition. We wouldn't be able to get the performance or usage out of the machines if he didn't."

Mr. Swanger began his University employment as a laborer in Landscape where he worked for 11 years before accepting his present position in Physical Plant.

Residents of State College, Mr. Swanger and his wife, Dorothy, have two children - one son, Joseph, and one daughter, Virginia. In his spare time, Mr. Swanger enjoys fishing and hunting deer and turkey.

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General Education Conference: program, participants

Program

Friday, January 22

- 1 p.m. Registration, Keller Conference Center Lobby
 - 2 p.m. Opening Session, Keller Conference Center Auditorium
- Convener: Nancy M. Tischler, Chairman, University Faculty Senate
- Presentations:
- An Exposition on the Conference Issues
 - John W. Oswald, President
 - General Education and the Land-Grant Tradition
 - Edward D. Eddy, Provost
 - The Penn State Experience
 - Arthur O. Lewis, Associate Dean, College of the Liberal Arts
 - The National Perspective
 - Theodore L. Gross, Provost and Dean, Capitol Campus
 - 3 p.m. Beverage Break, Keller Conference Center Cafeteria
 - 3:30 p.m. Concurrent Panels

1. *General education's role in preparing the individual for a career in business, industry or the professions.*

The panel will discuss the relationship of the general education component of the baccalaureate curriculum to the expectations of the graduate in the applied setting.

Keller Conference Center Auditorium
Moderator: Carl H. Wolgemuth
Panelists: John J. Coyle, Jr.
William Shenkle
William Sippel
Mary E. Ward

2. *Offering general education as a lower division set of requirements or a four-year curricular commitment.*

The panel will explore the need for curricular integration in general education and the impact of this need upon the scheduling of the general education experience.

Keller Conference Center, Room 312-314
Moderator: Edward M. Elias
Panelists: Wendell V. Harris
G. Robert Himmer
Melvin C. Seesholtz
Judith VanHenik

3. *Developing an international view in general education.*

The panel will discuss strategies for instilling a greater understanding of worldwide cultures and issues through general education.

Keller Conference Center, Room 402-403
Moderator: Caroline D. Eckhardt
Panelists: John D. Daniels
Elizabeth A. Horsman
Paul W. Todd
William Toombs

4. *An historical perspective on general education at Penn State.*

The panel will summarize the University's experience in devising and providing a general education over the past thirty years, reviewing changes in the program and factors which have facilitated or inhibited developments.

Keller Conference Center, Room 204
Moderator: Robert F. Schmalz
Panelists: Paul D. Bell
Hans Fleener
Henry C. Johnson
Arthur O. Lewis
Leon J. Stout

- 5 p.m. Adjournment
- 8:30 p.m. Keynote Address

Schwab Auditorium

Convener: Nancy Tischler, Chairman University Faculty Senate

Introduction: John W. Oswald, President

Presenter: Harlan Cleveland, Director, Hubert H. Humphrey Institute of Public Affairs, University of Minnesota

Topic: *Shouldn't We Also Be Educating for Wisdom?*

- 9:30 p.m. Reception, Nittany Lion Inn, Colonial Room

Saturday, January 23

- 9 a.m. Concurrent Panels

1. *Uniform general education designed for all undergraduates or variable general education designed for the specific college or discipline?*

The panel will explore differing approaches to offering a general education — from the course smorgasbord, to the University-wide core curriculum, to the college-specific core curriculum.



Conference keynoter Harlan Cleveland was the director of the Program in International Affairs of the Aspen Institute for Humanistic Studies from 1974 until his appointment at Minnesota in 1980.

From 1969 to 1974, he served as president of the University of Hawaii; earlier he was assistant secretary of state of International Organizational Affairs in the Kennedy Administration, and U.S. ambassador to NATO under President Johnson.

curriculum.

Keller Conference Center Auditorium
Moderator: Theodore E. Kiffer
Panelists: Joseph C. Ray
Evan G. Pattishall
Leo H. Takahashi
Gary L. Thomas
Thomas J. Von Gunden

2. *Identifying the skills which are essential in a general education.*

The panel will discuss whether there is a set of definable skills, e.g., written, oral, computational, scientific, and linguistic, that should identify the baccalaureate graduate who has a general education.

Moderator: Jerry B. Covert
Panelists: Leonard Berkowitz
Stuart Forth
Robert B. Mitchell
Daniel Shterom

3. *Baccalaureate general education — building upon the high school curriculum.*

The panel will examine the general education component of the baccalaureate curriculum in the context of the student's elementary and secondary school preparation, the University's expectations, and the continuity of the education experience.

Keller Conference Center, Room 402-403
Moderator: Robert E. Dunham
Panelists: Robert Campbell
Robert Cawley
Jane E. Cooper
Isabel F. Knight
Daniel Taylor

4. *Motivation and reward for faculty participating in general education.*

The panel will examine the role of the faculty in determining the content and intent of general education, including responsibilities for extending student and faculty expectations beyond the individual course or the particular discipline, and for integrating general education into every University course.

Keller Conference Center, Room 204
Moderator: Charles L. Hosler
Panelists: Chandra L. Mowery
Leonard R. Riformio
Suzanne M. Roy
Theodore R. Vallance

- 10:30 a.m. Beverage Break, Keller Conference Center Cafeteria

- 11 a.m. Plenary Panel

Reassessing the Conference Issues.

The panel will address specifically the five issues devised to inform the conference. The panelists will proffer preliminary answers to the questions raised by the issues, drawing upon the earlier conference sessions.

Keller Conference Center Auditorium
Moderator: Carol A. Cartwright
Panelists: Jerry B. Covert
Robert E. Dunham
Charles L. Hosler
Theodore L. Kiffer

- 12:30 p.m. Adjournment

Participants

Paul D. Bell
Student, College of Business Administration, University Park

Leonard Berkowitz

Assistant Professor of Philosophy, York College Area School District, State College, Pa.

Carol Cartwright
Professor of Education, Acting Associate Dean for Academic Affairs, Commonwealth Educational System

Gordon Cawley
Executive Director, Association for Supervision and Curriculum Development, Alexandria, Va.

Jane E. Cooper
Associate Professor of Biology, Delaware County

Jerry B. Covert
Associate Professor of Biology, Chairman, BDR III Subcommittee, Hazleton

John J. Coyle, Jr.
Professor of Business Administration, Head, Department of Business Administration, University Park

John D. Daniels

Professor of Business Administration, Chairman, University Committee on International Programs, University Park

Robert E. Dunham

Professor of Speech Communication, Vice President for Undergraduate Studies

John A. Dutton

Professor of Meteorology, Head, Department of Meteorology, University Park

Caroline D. Eckhardt

Associate Professor of English and Comparative Literature, Co-Editor, *Journal of General Education*

Edward D. Eddy

Professor of Higher Education, Provost, The Pennsylvania State University

Edward M. Elias
Assistant Professor of Engineering, Director, York

Joseph C. Flay
Associate Professor of Philosophy, University Park

Hans Fleener
Associate Professor of Higher Education, University Park

Stuart Forth
Dean, University Libraries, University Park

Theodore L. Gross
Professor of English, Provost and Dean, Capitol

Wendell V. Harris
Professor of English, Head, Department of English, University Park

G. Robert Himmer
Associate Professor of History, York

Elizabeth A. Horsman
Student, College of the Liberal Arts, University Park

Charles L. Hosler
Professor of Meteorology, Dean, College of Earth and Mineral Sciences

Henry C. Johnson
Professor of Education, University Park

Theodore E. Kiffer
Associate Professor of English Linguistics, Director, General Education Program, College of the Liberal Arts, Associate Head, Department of English

Isabel F. Knight
Associate Professor of History, University Park

Arthur O. Lewis
Professor of English, Associate Dean, College of the Liberal Arts, University Park

Robert B. Mitchell
Associate Professor of Biology, Pre-Medical Adviser, University Park

Chandra L. Mowery
Student, College of Earth and Mineral Sciences, University Park

John W. Oswald
Professor of Plant Pathology, President, The Pennsylvania State University

Evan G. Pattishall
Professor of Behavioral Science, Dean, College of Human Development, University Park

Leonard R. Riformio
Associate Professor of History, Shenango Valley

Suzanne M. Roy
Assistant Professor of Music, University Park

Robert F. Schmalz
Professor of Geology, Chairperson, Special Senate Committee on Academic Policy

Melvin C. Seesholtz
Assistant Professor of English, Ogontz

William Shenkle
General Plant Manager, Rockwell International, DuBois, Pa.

Daniel Shterom
Student, College of the Liberal Arts, Altoona

William Sippel
Registered Architect, Deeter, Ritchey, Sippel Associates, Pittsburgh, Pa.

Leon J. Stout
Senior Assistant Librarian, University Park

Leo H. Takahashi
Assistant Professor of Physics, Beaver Campus

Daniel Taylor
Vice President, College Entrance Examination Board, New York, N.Y.

Nancy M. Tischler
Professor of English and Humanities Chairman, University Faculty Senate

Gary L. Thomas
Executive Vice President, Peterson, Howell, and Heather, Inc., Hunt Valley, Md.

Paul W. Todd
Professor of Biophysics, University Park

William Toombs
Professor of Higher Education, Director, Center for the Study of Higher Education, University Park

Theodore R. Vallance
Professor of Human Development, University Park

Judith VanHenik
Assistant Professor of Religious Studies, University Park

Thomas J. VonGunden
Student, College of Education, University Park

Mary E. Ward
Student, College of Earth and Mineral Sciences, University Park

Carl H. Wolgemuth
Professor of Mechanical Engineering

Course and program changes for switch to semesters are due as soon as possible

Making the switch to the early semester system in Fall 1983 could be either "difficult" or "smooth."

But either way, it will be the University community — and particularly faculty members and academic administrators — whose actions determine how the transition occurs.

So observed Dr. James B. Bartoo, chairman of the University Faculty Senate's Calendar Commission and dean of the Graduate School, in an oral informational report at the Senate's Dec. 15 meeting.

For the transition to be a "smooth" one, Dr. Bartoo said, faculty members and academic administrators must get their course and program changes for the semester system to the Senate Office as quickly as possible. He stressed that this must be accomplished by April at the very latest.

Dean Bartoo further observed that the calendar conversion process is progressing on schedule and that a Communications Committee has been established to facilitate the coordination of input from all segments of the University community.

The Senate also heard an oral informational report from Dr. Robert J. Scannell, vice president and dean of the Commonwealth Educational System, on "Commonwealth Campuses-Continuing Education Integration."

Dr. Scannell said the integration of the two systems — which occurred in Fall 1980 — is continuing to develop according to plan. He also noted that the integration is resulting in increased efficiency in a number of areas.

In legislative action, the Senate tabled until its next meeting on Feb. 2 a proposal to modify the section of PS-23 dealing with the evaluation of teaching effectiveness.

The proposal to modify PS-23, from the Senate's Faculty Affairs Committee, was tabled because snow- and ice-covered roads prevented Senators from nearly half the Commonwealth Campuses from

attending the meeting.

Any proposal for revision to PS-23 passed by the Senate becomes a recommendation from that body to the President and must be acted upon by him before it becomes policy.

In other legislative action, the Senate approved changes to "Academic Policies and Procedures for Undergraduate Students," published annually in the *Penn State Handbook*. The changes, proposed by the Senate's Academic and Athletic Standards Committee, are needed to make student rules conform with the early semester calendar system.

The Senate also voted to adopt a resolution introduced by its Committee on Academic Policy.

Presented by Dr. Robert F. Schmalz, professor of geology, the resolution stresses the need for faculty members to take an active interest in the search for a president to succeed Dr. Oswald.

It reads: "It being the aspiration of this University to achieve and maintain a position of excellence among major academic institutions, BE IT RESOLVED that to signal this intention and to provide the leadership essential for its accomplishment, the Faculty Senate, on behalf of the faculty, urges that the Presidential Search Committee undertake to include in its recommendations to the Board of Trustees specifically those candidates, of proven executive ability, who have achieved distinction as scholars in the academic community."

In its only other legislative action of the meeting, the Senate agreed to a motion introduced by the Liberal Arts Council of Senators. The motion reads: "The University Faculty Senate recommends, for University Faculty, adoption of a 'flat' rather than a 'sawtooth' class schedule, to the greatest extent possible, under the semester calendar."

Dr. Marylee C. Taylor, Council chairman and assistant professor of sociology, explained that a flat schedule is

one in which classes meet at uniform times on Mondays, Wednesdays and Fridays, and at longer, but also uniform times, on Tuesdays and Thursdays.

A sawtooth schedule, she said, is one in which class meeting times and intervals between class meetings are varied.

The advantages of the flat schedule, which is similar to that being used now, have been proven, she noted, while those of the sawtooth schedule are questionable.

The Senate also heard a number of other informational reports, including:

- "Mathematics Testing for Entering Freshmen," during which the Committee on Undergraduate Instruction outlined changes in the mathematics test, which is given all freshmen. Changes in the test are intended to better serve students by allowing for more accurate placements and advising;

- "Library Computer and Information Systems," during which Nancy M. Cline, associate librarian, highlighted aspects of the University Libraries' automation programs. Although pointing out that computers will eventually enable the Libraries to function almost entirely with electronic data bases, she stressed that computers will not replace books and other printed matter, but will enable the Libraries to improve and expand their services;

- "Status of Baccalaureate Degree Programs," presented as a door handout by the Curricular Affairs Committee (see below).

- "Resident Instruction Fall Term Enrollments," presented by the Committee on Undergraduate Instruction; and

- "Special Admissions," presented by the Committee on Admissions, Records and Scheduling. Included in the report are programs for high school seniors at most campuses and special talents groups in Arts and Architecture, Communications Disorders and Veterans.

The Senate next will meet on Tuesday, Feb. 2, at 2:10 p.m. in Room 112 Kern Graduate Building.

\$21 million is received for capital projects

A State appropriation of almost \$21 million for four University renovation and construction projects involving academic buildings was approved by Gov. Thornburgh just before Christmas.

Requested by University administrators and approved by the Board of Trustees, the \$20,890,000 appropriation was approved as part of a \$251 million State capital appropriations bill that also includes monies for cell construction in prisons and renovations to State parks.

"This is the first State funding for capital improvements to University academic buildings in 10 years," observes Frederick M. Ciletti, special assistant to President Oswald for governmental affairs.

He explains that in prior bills the State had approved various utility construction projects on campus — such as improvements to the University's power plant — but despite annual requests from the Trustees, no such funds had been approved for capital projects involving academic buildings.

INTERCOM scores a Penn State 'first'

INTERCOM is scoring a Penn State "first" this week. The copy for this issue was transmitted on Public Information's IBM 5520 word processing equipment directly to a phototypesetter at our printers using the office telephone.

The communication interface, which was implemented by Kamal A. Hazboun of the Office of Information and Administrative Services, is expected to result in lowered printing costs.

Budgetary restrictions will reduce the number of issues of INTERCOM to be published during the remainder of the academic year. Groups wishing to publicize events should note that in the Winter Term, no issues will be published Feb. 4 and 18 and March 4.

BDR Subcommittee reports on activities

The University Faculty Senate's Committee on Curricular Affairs presented an informational report on "Status of Baccalaureate Degree Requirements" to the Senate during its Dec. 15 meeting.

Presented as a door handout prepared by Dr. Jerry B. Covert, BDR Subcommittee chairman and associate professor of biology at Hazleton, the report also refers to guidelines and procedures regarding BDR changes.

"Within the last academic year, the BDR Subcommittee has presented informational and legislative reports to the Senate and the University community," Dr. Covert observed.

He explained that the legislative report requested jurisdiction for the BDR Subcommittee over the advanced learning skills area course lists. It also included the proposal that consultative committees in these areas be established.

"The legislative report was approved and the consultative committees have been established and are presently functioning. An informational report announced procedures for the addition and deletion of courses from the BDR lists, both the advanced learning skills and the breadth area lists," Dr. Covert added.

These procedures, he noted, are now being followed by the University community, and the Curricular Affairs Committee's Blue Sheets are being used to announce proposals and approvals.

Dr. Covert outlined the procedure for adding courses to, and deleting courses from, the BDR lists of courses as follows:

"Requests for course additions to the BDR lists of courses should be sent to the Senate Office, Birch Cottage, with course outlines and justification. The justification should include information explaining why the course should be included on the list.

"Once the requests are received, the Senate Office will send copies to the appropriate consultative committee for action. Upon action by the consultative committee, the requests will be sent to the BDR Subcommittee for approval. Upon approval by the BDR Subcommittee, the course(s) would be added to the University list.

"Requests for deletion of courses from the BDR lists of courses should include a justification for deletion and follow the same routing pattern as outlined above for additions to the list.

"The processes will function in an ongoing manner throughout the year, but the new lists will not become effective until the beginning of the subsequent academic year."

Dr. Covert observed that the approval system "appears to be working smoothly, which allows the Subcommittee more time to pursue one of its other charges, that of 'keeping abreast of national developments in general education.'"

Within the University, he noted, there are lists of courses that are designed to provide a varied, general education. The BDR Subcommittee has been working with the Office of the Vice President for Undergraduate Studies to evaluate the effectiveness of the BDR requirements to see if they are meeting the stated

objectives related to general education.

A special task force chaired by Dr. John J. Romano, associate dean for undergraduate studies in the College of the Liberal Arts, will design an experimental project on the assessment of general education at Penn State. Dr. Covert pointed out. This project should run parallel to, and as an adjunct to, the University's Conference on General Education being planned under the leadership of President Oswald, Provost Eddy and Senate Chairman Tischler.

"The BDR Subcommittee will continue to process proposals to the BDR lists and will do so with an ear to the needs and wishes of the University as it expresses itself during the Conference on General Education," Dr. Covert noted.

"The BDR course lists are flexible and adaptable to the evolution of Penn State, especially as the University converts to an early semester calendar."

Martin Luther King Jr. Memorial Banquet Friday

Dr. Thelma Griffith-Johnson will speak at the fourth annual Martin Luther King Jr. Memorial Banquet to be held at 7:30 p.m. on Friday, Jan. 15, at the Sheraton-Penn State Inn. Dr. Griffith-Johnson is director of the Pennsylvania Human Relations Commission's Harrisburg Region.

The banquet, held annually on Dr. King's birthday, is sponsored by the University's Forum on Black Affairs. Persons desiring further information, reservations and tickets may contact Elmore M. Browne at 865-1779.

Included in the four projects, which form the University's Capital Program for 1982-83, are two at University Park and one each at the Mont Alto and Delaware County campuses.

At University Park, \$6,804,000 will be used in the first project for renovations to several College of Agriculture buildings, including Buckhout and North Frear laboratories. Headhouses III and IV and Tyson Building. The work will focus on modernizing laboratory facilities serving the College's plant pathology and agronomy departments.

Mr. Ciletti notes that Rep. Gregg L. Cunningham of Benner Township had sponsored the amendment for the agricultural buildings capital appropriation.

The second renovation project at University Park, supported by funds totaling \$6,605,000, will be in College of Earth and Mineral Science buildings. It includes replacement and refurbishing of plumbing and electrical systems and was supported by State Sen. Doyle Cormac of Bellefonte.

The other two projects are for construction of multi-purpose physical education buildings at the Mont Alto and Delaware County campuses. The Mont Alto campus building, supported by State Sen. William Moore, will cost \$3,491,000; the Delaware County campus building, supported by State Sen. Clarence Bell, will cost \$3,990,000.

Pointing out that the Mont Alto and Delaware County campuses have great need for the multi-purpose physical education buildings, Mr. Ciletti says that construction of all the buildings is expected to be completed in about three years.

Distinction between 'process' and 'outcome' occupies psychologists

(Continued from page 1)

healthy sample of the surface of our subject, but we can't agree on its meaning or implications.

The "best therapy" contest will probably continue for many years to come and I believe that its intended yield is a commendable one — namely, the clarification of information about how best to help people. For some time now, however, I have questioned the ability of our outcome methodologies to reveal the staggering complexities of a human life in transition. My technical concerns here are primarily epistemological and I have belabored them enough elsewhere. They are mentioned to introduce a distinction that is currently receiving renewed attention within the field of psychology and within the specialty of psychotherapy in particular. That distinction is between "process" and "outcome" — a distinction which itself invokes subtle boundaries

between causes and effects. For a number of years now I have been studying some of the fundamental change processes that are reflected in personal development. My assumption has been that psychotherapy is a special kind of relationship which focuses on the clarification, redirection, and acceleration of processes that permeate all human lives. I have further assumed that I would learn much from studying the invariance within the variance — that is, those patterns and phenomena that are so robust that they survive the tacit Procrustean distortions of divergent metaphysics of change.

To date, my research has rendered a number of hypotheses regarding personal change that are now being more carefully evaluated. No unifying model has yet emerged, but I will be presenting my conjectures in a forthcoming book titled *Human Change Processes: Notes on the facilitation of personal development* (Basic

Books, in press). Some of the points I will be making there can be abbreviated as follows:

- human experience is imbued with the quest for and transformation of personal meanings (all "successful" psychotherapy facilitates meaning clarification and/or change);

- the human nervous system is a very active participant in co-creating the realities with which it interacts;

- our most primitive and pervasive cognitive processes rely on contrasts and boundaries to create the "content" of experience — the abstractions and processes behind that generation of content are therefore critical elements in an adequate understanding of change;
- the central nervous system is generally self-protective and self-perpetuating in its patterns (an observation which relates to notions of therapeutic "resistance" and the brain's understandable reluctance to change too much too quickly);

- efforts toward change often interfere with spontaneous change processes (this observation is particularly apparent in patterns that require sympathetic-parasympathetic coordination — e.g., tension reduction, insomnia, biofeedback, sexual dysfunction, and so forth);
- insight — whether developmental, rational-evaluative, or pattern-descriptive — often reflects and facilitates personal change, but it is neither necessary nor sufficient for that change;

- it is much easier to modify peripheral meanings and isolated habits than it is to change core personality features;

- persons who are engaged in the transformation of core personal meaning structures often experience "hypercycles" of emotionality, confusion, and phenomenological novelty;

- emotional "imbalance" may be critically important in energizing and directing personal transformation; and

- persons who are hopeful or trusting in their own developmental processes are more likely to report satisfaction with the pace and direction of their life movement.

These are, to be sure, truncated statements of points I have developed more fully in my technical publication. Needless to say, the scope of my intentions has forced me into literatures far afield from psychotherapy outcome. I am presently trying to integrate the literatures of psychobiology, cognitive psychology, lifespan development, emotion, epistemology, and autopoiesis as they bear on the phenomenon of personal change. The bottom line of all of this is, perhaps, my continuing fascination with the breadth, depth, and complexity of human experience. As much as I am intrigued with our scientific theories, I remain awed and humbled by the size of the gap between our theoretical maps and the experiential territory they are supposed to represent.

Computer director names sought

(Continued from page 1)

understanding of university computing and information system needs and problems, both administrative and academic, is also essential.

Administrative experience at university/college level or industrial or governmental equivalent is required, along with a master's degree in a related subject or equivalent in experience. Ten years of experience in computing and data processing, including five years of experience as a director or manager of a large-scale business and scientific computing operation, is desirable. The post requires an individual with strong written and verbal communications skills.

Donald G. Dickson, dean of admissions, will chair the Search Committee. Members are Dr. John J.

Cahir, associate dean for resident instruction and professor of meteorology; Nancy M. Cline, associate librarian; Loren M. Furtado, director of planning and budget; Dr. Stephen Jablonsky, associate professor of accounting; Dr. Gerald Johnson, associate professor of computer science; George L. Lane, deputy controller; Dr. Wilbur L. Meier, dean, College of Engineering; and Dr. Robert J. Scannell, vice president and dean, Commonwealth Educational System.

Nominations and applications for the position should be sent by Feb. 18 to: Dean Donald G. Dickson, Room 214 Shields University Park, Pa. 16802

Anyone desiring further information can contact Dean Dickson at 865-5478.

Applications, nominations sought for director of Developmental Year Program

Applications and nominations are being sought for the position of Director of the Developmental Year Program.

The Director, who reports to the Vice President for Undergraduate Studies, provides overall direction and academic leadership to the program and is responsible for coordinating its instruction and counseling components. Other responsibilities include record keeping, student advising, tutoring, research and administrative assignments, as well as relating with government offices.

Candidates should have experience in teaching in higher education, advising and academic administration. Preference will be given to candidates having an earned doctorate and to those who hold or have held academic rank and have had experience in similar programs.

Applications and nominations should be sent by Jan. 31 to:

Developmental Year Search Committee
117 Old Main, Dept. I
University Park, Pa. 16802

Financial aid applications are now available

Financial aid applications for the 1982-83 academic year are now available in the Office of Student Aid, Room 335 Bouck Building. Applications are available for the Pell Grant, State Grant, National Direct Student Loan, Supplemental Educational Opportunity Grant, College Work Study Program, and University Scholarships.

Students should be advised that applications are available from 8 a.m. to 5 p.m., Monday through Friday. Financial Aid staff members are available to answer questions.

Trustees approve plans for handicapped

Final plans to make 32 buildings at University Park more accessible to the handicapped have been approved by Trustees.

Funds for the project, \$666,000, are provided by the Commonwealth's Department of General Services as part of a handicapped accessibility funding package for State colleges and State-related universities.

The improvements include easing access to doors, modifying restroom facilities and adding ramps.

The buildings to undergo modifications are Agricultural Engineering, Althouse, Animal Industries, Arts, Bouck, Business Administration, Carnegie, Carpenter, Chambers, Chandlee, Deike, Electrical Engineering, Forum, Frear, Hammond, Henderson Human Development, Kern, McAllister, Mechanical Engineering, Mineral Science, Mueller, Music, Noll, Osmond, Rackley, Recreation, Sackett, Tyson, Visual Arts, Walker, Whitmore and Willard.

The Office of Student Aid recommends that applications for the Pell Grant and State Grant be filed by Feb. 15.

Applications for the National Direct Student Loan, Supplemental Educational Opportunity Grant, College Work Study Program, and University Scholarships must be completed and filed with the Office of Student Aid by April 1.

Summer Term assistance through the campus based programs (NDSL, SEOG, CWSP) appears unlikely at this time. Further information concerning the status of these programs for summer will be distributed near the end of Winter Term. Students should apply for a Guaranteed Student Loan to insure financial aid consideration for planned summer studies. Pennsylvania undergraduate students may also apply for the State Grant for Summer Term.

Faculty and staff members are requested to encourage students in need of assistance to apply for financial aid and to address questions to the Office of Student Aid.

Approximately 80 percent of Penn State's students receive financial assistance through federal, State and University-coordinated programs.

George Plimpton to speak

Author George Plimpton, an exponent of "participatory journalism," will speak on "The Professional Amateur" at 8 p.m. Thursday, Jan. 21, in Eisenhower Auditorium. His talk, which is free, is sponsored by Colloquy.

Mr. Plimpton's books include *Paper Lion*, *Out of My League*, *The Bigger Man*, *Mad Ducks and Bears*, *One for the Record* and *Shadow Box*.

Pennsylvania ranks in the bottom quartile in terms of tax support for higher education

Pennsylvania is one of 12 states forming the bottom quartile in the latest report on *Appropriations of State Tax Funds for Operating Expenses of Higher Education*.

The study by Dr. M.M. Chambers of Illinois State University is designed to provide a collective analysis in the 50 states. It offers the earliest available data on state legislative activities across the country involving appropriations for higher education.

The study shows that Pennsylvania had a 12 percent gain in appropriations of state tax funds for annual operating expenses of higher education from fiscal year 1982 over fiscal 1980.

According to the report, the 12 states in the fourth quartile (two-year gains from 4 to 12 percent) are mostly in four blocs: three contiguous states — Ohio, 4; Michigan, 5; Pennsylvania, 12 — in the lower Great Lakes region; four in the South Central — Arkansas, 8; Alabama, 11; Tennessee, 12; and Missouri, 12; two in the upper Mississippi Valley — South Dakota, 5, and Minnesota, 12; three in the "Inland Empire" (Pacific Northwest) — Washington, 6; Oregon, 10; and Idaho, 12.

Three of the most populous states — Pennsylvania, Ohio, and Michigan — are in the bottom quartile.

Current unfavorable aspects of national and regional economic conditions, Dr. Chambers says, are recognized as playing parts in this result.

Of the 13 states in the report's top quartile (showing two-year gains of 30 percent or more), 10 are west of the Mississippi River. These include the only seven in the nation showing 38 percent more: Alaska, 49; Wyoming, 60; Texas, 45; North Dakota, 43; Oklahoma, 42; Louisiana, 38; and Montana, 38. Completing the ten are New Mexico, 39; Arizona, 32; and Hawaii, 30. The other three in the 13 are all on the Atlantic coast: Delaware, 35; New Hampshire, 31; and Georgia, 30.

"By October 1981," Dr. Chambers notes, "it was possible to say the performance of the 50 states as a whole was not as good as had been hoped, nor as bad as had been feared."

"The weighted average nationwide percentage gain in appropriations of state tax funds . . . for fiscal year 1982 over fiscal 1980 was 20 percent. This was a few points less than the comparable figures of the 1970s."

"A look at the range among the 50 states discloses many bright spots. The two-year gains ranged from as low as 4 percent to as high as 69 percent. This is a wider spread than usual."

The report was published by the National Association of State Universities and Land-Grant Colleges. Copies may be obtained by contacting the Association, Suite 710, One Dupont Circle, N.W., Washington, D.C. 20036.

News in Brief

Acting coordinator named for Developmental Year

Kay Hudspeth has been named acting coordinator of the Developmental Year Program, administered by the Office of the Vice President for Undergraduate Studies.

Ms. Hudspeth, an instructor in the Mathematics Department since coming to Penn State in 1973, served as mathematics coordinator of the Basic Skills Program and as mathematics coordinator of the Developmental Year Program at the time of her appointment. She holds an M.S. degree in mathematics from Syracuse University and a B.A. degree in liberal arts from the University of Texas.

"We are fortunate to have found an acting coordinator with this expertise and experience," Dr. Robert E. Dunham, vice president for undergraduate studies, said. "I am confident that Kay Hudspeth will do an excellent job."

Unique Rhodes Fellowship for Women deadline nears

Jan. 31 is the application deadline for a Rhodes Fellowship for Women being offered at St. Hilda's College of the University of Oxford.

The Fellowship, tenable at St. Hilda's for two academic years beginning Oct. 1, 1982, is open only to women below the age of 35 who are of postdoctoral status (or close to it), or of comparable academic standing. Board, lodging and a stipend will be provided, as will travel expenses at the beginning and end of the Fellowship. Single women and women with families can be accommodated.

Applications should be addressed: The Principal, St. Hilda's College, Oxford, OX4 1DY, England.

To apply, the candidate should enclose one copy of a statement of her qualifications; a brief outline of the research she proposes to undertake; and the names of no more than three persons prepared to act as academic referees. Copies of published or unpublished work may be called for at a later date, but should not be submitted in the first instance.

For additional information, interested Penn Staters should contact Dr. Eugene R. Melander, assistant vice president for undergraduate studies, at 865-0458.

Student exchange program established in Liberal Arts

The College of the Liberal Arts and American Studies program have established a student exchange program with the University of Manchester in England.

Beginning Fall Term 1982, the University of Manchester will send six third-year undergraduates to Penn State for a full academic year of study in the American Studies program, according to its chairman, Dr. Harrison Meserole.

The six Penn State juniors who go to Manchester can come from any University program — as long as Manchester offers a similar curriculum.

"We expect that most of the Penn Staters we send to Manchester will come from the humanities and social sciences, but the opportunity is open to students in other fields, too," Dr. Meserole says.

Penn State students who are interested in the exchange program should hold 7th-term standing by Fall Term 1982 and should have "strong academic records," Dr. Meserole says. They should contact Dr. Meserole in Room 9 of Pattee Library (the American Studies office) as soon as possible.

The exchange program's advisory committee will select six candidates and six alternates. Chaired by Dr. Meserole, the committee consists of: Dr. Peter Gould, professor of geography; Dr. Isabel

Knight, associate professor of history; Michael Laubscher, assistant director of foreign studies; Dr. Merrill Noble, professor of psychology; and Dr. John Romano, associate dean for undergraduate studies in Liberal Arts.

The new program is the second foreign exchange arrangement between Penn State and Manchester. Since 1971, the two universities have had a program in mass communications, sponsored on this end by the Department of Speech Communication.

Libraries join land grant microfilming project

The University Libraries have joined with those of Cornell, Rutgers, Delaware and Maryland in the cooperative microfilming of land grant agricultural documents.

The purpose is to preserve in archival form the historically significant contributions of these institutions to agricultural research.

Penn State will act as regional coordinator for the project, which is co-sponsored by the U.S. Department of Agriculture's National Agricultural Library. That library has provided a grant of \$26,800 for the work.

The microfilming will begin in 1982 and is likely to take a year or more to complete, according to Dr. Keith Roe, associate librarian, who is coordinating the project at Penn State.

UCIP has funds for international proposals

The University Committee for International Programs (UCIP) currently has a small amount of money that may be used by faculty members and departments to help defray costs of speakers, program development or proposals of an international nature.

First priority will be given to interdisciplinary or intercollege programs or activities.

Funds should be requested at least 30 days prior to the activity by sending brief biographical data, program details, total costs and the amount requested to UCIP, Room 306 Willard Bldg.

U.S. Army War College Current Affairs Panel visits

The U.S. Army War College Current Affairs Panel, which will visit the University Jan. 19-21, will present a panel discussion on Wednesday, Jan. 20, at 7 p.m. in Room 102 Forum Building.

The discussion, featuring five War College students and a faculty moderator, will focus on specific facets of the national security policy formulation process. It is open to the public.

In addition, representatives from the Current Affairs Panel will be available on Jan. 20 and 21 to appear in classes or at faculty meetings. Faculty members interested in scheduling a visit from a panel representative should contact Lt. Col. Arthur Dervaes at 863-0368.

Workshop to help parents communicate with children

The Individual and Family Consultation Center will offer a six-session parenting workshop for parents interested in learning how to discipline and communicate more effectively with their children 3-12 years.

No charge will be made for the workshops, which will be offered in the evening at the Catharine Beecher House on campus. The first class meeting will be scheduled between Jan. 14 and 20. More information may be obtained by calling the Consultation Center, University Park, 865-1751, between 8 a.m. and 5 p.m.

Department of Nursing receives full accreditation

The Department of Nursing has been awarded continuing full accreditation of its master's and baccalaureate degree programs.

Approval was granted for an eight-year period, the maximum time allowed by the accrediting body, the Board of Review for the Council of Baccalaureate and Higher Degree Programs of the National League for Nursing.

DNA Technology lectures scheduled for next week

Dr. Jean E. Brencley, research director of Genex Corporation, Rockville, Md., and Dr. T.H. David Ho, assistant professor of botany at the University of Illinois, will present public lectures at the University next week.

Dr. Brencley will discuss "Biotechnology: Progress, Problems, Perspectives" Wednesday, Jan. 20, at 3:15 p.m. in Room 112 Kern. Dr. Ho will speak on "Plant Molecular and Cellular Biology" Thursday, Jan. 21, at 10 a.m. in Room 112 Kern. Both lectures are part of a Workshop in Recombinant DNA Technology sponsored by the Industry-University Cooperative Program in Recombinant DNA and supported by the Program's charter affiliate members.

Dr. Brencley, a specialist in molecular genetics and nitrogen metabolism, formerly served on the faculties of Penn State and Purdue.

Dr. Ho is a specialist in plant biochemistry and developmental biology. He was formerly a postdoctoral fellow at Michigan State and Washington Universities and the Massachusetts Institute of Technology.

Flashers can prevent parking violations

Some faculty and staff members have received parking violations that could have been prevented if they had used their vehicle's emergency flashers, according to Allan Derzak, University parking coordinator.

Short-time parking for loading and unloading, pick-up or delivery is permitted in parking areas and in loading zones provided the vehicle's emergency warning flashers are operating. The maximum time limit for pick-up or delivery parking is 15 minutes. If a vehicle is not equipped with emergency flashers, the head lamps should be turned on.

A note affixed to the windshield or displayed on the dashboard is not an acceptable alternative to the above procedure.

Retail meat sales continue at Meats Lab

Retail meat sales are in progress each Friday from 1:30 to 4 p.m. at the Meats Laboratory located near Beaver Stadium.

The meat is from the University herds and is slaughtered and cut by students in the Animal Industry and Food Science classes.

The store carries all the retail cuts of beef, pork and lamb. Customers should be at the Meats Laboratory at or before 1:30 p.m., at which time they will draw a number for service.

Employment Division has Affirmative Action library

The Employment Division has a library of Affirmative Action/Equal Employment Opportunity reference material to assist University personnel seeking recruitment and affirmative action information. Such information may prove helpful in ascertaining availability of minorities, women and handicapped for specific job categories, or in locating recruiting

resources in fulfillment of affirmative action, good faith efforts.

Some samples of the kinds of data available in this library are: 1) a directory for reaching minority groups, 2) a directory of resources for affirmative recruitment, 3) a handbook for recruiting at the traditionally black colleges, 4) a directory of organizations interested in the handicapped.

While the reference material is not available for overnight loan, it may be used in the Employment Division, Room 117 Willard Building, Mondays through Fridays, from 8 a.m. to noon and 1 p.m. to 5 p.m.

Arts Roundup

Jan. 17 concert to mark Franz Joseph Haydn's birth

The first concert of several upcoming events commemorating the 250th year of Franz Joseph Haydn's birth will be presented by University musicians at 7:30 p.m. Sunday, Jan. 17, in Gallery C of the Museum of Art. The program will consist entirely of works by Haydn.

The Alard String Quartet will open the evening concert with a performance of the String Quartet in G Major, opus 54 No. 1. French hornist Christopher Callahan, an assistant professor of music, will play Haydn's Horn Concerto, and Musica da Camera, the University's chamber orchestra, will conclude the program with the Symphony No. 6.

Tickets for the event, which is being sponsored by the School of Music, are \$5 each and are being sold at the Musica da Camera office in Room 218 of the Music Building. Tickets may also be reserved by calling the Musica da Camera office at 865-0431.

Philadelphia percussionist to present a master class

Alan Abel, a percussionist with the Philadelphia Orchestra and a professor of percussion at Temple University, will present a master class for the School of Music's Common Hour at 1 p.m. Tuesday, Jan. 19, in the Music Building Recital Hall.

The public is welcome to attend this program, which has been given at major music conservatories throughout the United States and is designed to give the audience an in-depth look at the rhythm, color and dynamics involved in orchestra percussion.

Prof. Roy to debut work in a recital on Jan. 20

The premiere performance of 11 "Voodoo Songs" by Burt Fenner, professor of music, will highlight a recital by soprano Suzanne Roy at 8:30 p.m. Wednesday, Jan. 20, in the Music Building recital hall.

Ms. Roy, an assistant professor of music, has also selected works by four other composers for her program. She will perform Anton Webern's Opus 12, as well as pieces by Gabriel Faure, and Maurice Ravel.

Planiest Steven Smith, an associate professor of music, will accompany Ms. Roy. For the Ravel piece, they will be joined by flutist Susan Klick, an instructor of music and cellist Leonard Feldman, an associate professor and member of the Alard String Quartet.

Professor Roy holds a D.M.A. degree from the University of Wisconsin at Madison, and she earned both her M. Mus. and B. Mus. degrees from the University of Michigan.

She is currently doing research on the solo vocal settings of texts by Rainer Maria Rilke (funded 1980-81 by a Research Initiation Grant) and prepared the American catalog of settings which will be published in 1982-83.

University Park Calendar

January 14 — 24

Special Events

Thursday, Jan. 14

URTC, David H. Bell, *Indian Summer*, 8 p.m., Pavilion Theatre. Also Jan. 15, 16.

Friday, Jan. 15

Artists Series: Paul Osborn, "Morning's at Seven," 8:30 p.m., Eisenhower Auditorium. Sports: Basketball (women), Coca-Cola Lady Lions Classic, 6 and 8 p.m. Also Jan. 16.

Saturday, Jan. 16

Sports: Fencing (men) vs. Clemson, Columbia, North Carolina, N.C. State, Notre Dame, 9 a.m. (women) vs. Clemson, Cornell, North Carolina, John's Hopkins, 9 a.m.; Swimming vs. Pittsburgh, 1 p.m. (women), 4 p.m. (men); Basketball (men) vs. Pittsburgh, 1:30 p.m.; Ice hockey vs. Canisius College, 8 p.m.

Sunday, Jan. 17

Concerts: Works by Haydn, performed by various Univ. musicians, 7:30 p.m., Gallery C, Museum of Art. Sports: Bowling vs. George Washington, 1 p.m.; Ice hockey vs. Villanova, 3:30 p.m.

Tuesday, Jan. 19

Senate undergraduate instruction meeting, 9:30 a.m., 101-A Kern.

School of Music Common Hour, 1 p.m., Music Bldg. Recital Hall, Alan Abel, Phila. Orchestra, master class on rhythm, color and dynamics of orchestra performance.

Senate Council meeting, 1:10 p.m., 101 Kern.

HUB Craft Center Open House, 7:30 p.m., 312 HUB.

HUB, Second semester registration, 8:05-8:01. Artist Series: Philadelphia Orchestra, Eugene Ormandy, conducting, 8:30 p.m., Eisenhower Auditorium.

Wednesday, Jan. 20

Commons Noonline Concert, Stan Shepherd, Kern Lobby.

Graduate Council meeting, 3 p.m., Room 101 Kern.

Industry-University Cooperative Program in Recombinant DNA Technology Lecture, 3:15 p.m., 112 Kern. Dr. Jean Brenchley, Genes Corp., on "Biotechnology: Progress,

Problems, Perspectives."

Penn State Credit Union meeting, 7:30 p.m., 101 Kern.

Recital, Suzanne Roy, soprano, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Jan. 21

Liberal Arts Faculty meeting, 3 p.m., 101 Kern. Industry-University Cooperative Program in Recombinant DNA Technology Lecture, 10 a.m., 112 Kern. T.H. David Ho, Univ. of Illinois, on "Plant Molecular and Cellular Biology."

Friday, Jan. 22

Board of Trustees meeting, Faculty Bldg. Sports: Gymnastics (women) vs. Florida, 8 p.m.

Saturday, Jan. 23

Board of Trustees meeting, Faculty Bldg. Faculty Women's Club Midwinter Coffee, 9:11-30 a.m., Museum of Art. France-Cinema, Truffaut, *The Last Metro*, 7 and 9 p.m., 112 Kern. Also Jan. 25. Sports: Bowling, Penn State Lion's Pride Invitational, also Jan. 24: Gymnastics (men and women) vs. Ohio State, 8 p.m.

Seminars

Thursday, Jan. 14

Physics, 3:50 p.m., 445 Davey Lab. A. Redfield, Brandeis Univ., on "Pulsed Fourier Transform NMR and Transfer RNA."

Agromony, 3:55 p.m., 111 Tyson. Doug Mason on "Grassland Potential in Northeast Thailand," and Tom Reed on "Influence of Nozzle Type and Spray Volume on Herbicides for Quackgrass Control in No-Till Corn."

Acoustics, 4 p.m., 75 Willard. Arthur Pentz, on "Acoustic Parameters of Voice in Down's Syndrome Children."

HFER, 7 p.m., Gallery Lounge, HUB. Dr. Peter R. Cavanagh, biomechanics, on "The Biomechanics of Sport."

Friday, Jan. 15

Analytical Chemistry, 11 a.m., 333 Whitmore. Dr. John Hammond, Physical Industries, Inc., on "Topics in Surface Analysis."

Geography, 3:45 p.m., 319 Walker. Dr. Caroline Eckhardt, English and comparative lit., on "King Arthur and Archaeology, History, and Legend."

Monday, Jan. 18

Aerospace Engineering, 4 p.m., 152 Hammond. Dr. Michael J. Andrew, Univ. of Southampton, on "Aerodynamics of Coastal Rotors in Flow."

Entomology, 4 p.m., 204 Patterson. Danny Lee Rinker, PSU doctoral candidate, on "Biology of the Mushroom Infesting Phorid Fly."

MC3B, 4 p.m., 101 Althouse Lab. Dr. Richard Crowell, Nahemann Medical School, on "Viral Receptors and Pathogenesis."

Tuesday, Jan. 19

Biology, 11:10 a.m., 8 Mueller. William S. Brown, Shimer College, on "Field Studies of the Timber Rattlesnake in N.E. New York."

Ag Greenhouse, 2:20 p.m., 111 Animal Industries. Jay Holcomb, horticulture, on "Growing Media for Containers."

Water Pollution Control, 2:20 p.m., 271 Willard. S.N. Hong, Air Products & Chemicals, on "Biological Treatment System for Nutrient Removal."

Geosciences, 3:45 p.m., 22 Deike. S.A. Morse, Dept. of Geology and Geography, Morrill Science Center, Univ. of Mass., on "Magmatic Crystalligraphy."

Plant Pathology, 3:55 p.m., 213 Buckhout. F.L. Luker, on "Phytochemical Research."

Materials Science, 4 p.m., 112 Walker. J. Osenbach on "Grain Boundary Diffusion in Some Oxide Systems?" B. Varnell on "Tomorrows."

History, 7 p.m., 101 Kern. Dr. E.T. Sun-Zen, history, on "Chinese Look at Their Modern History."

Wednesday, Jan. 20

Society of Manufacturing Engineers, 7:30 p.m., 215 Hammond. "A Computer-Controlled Robot: The Tomorrow Tool."

Thursday, Jan. 21

Chemistry, 12:45 p.m., 333 Whitmore. Albert I. Meyers, Colorado State Univ., on "New Asymmetric Carbon-Carbon Bond Forming Reactions."

Physics, 3:50 p.m., 445 Davey C. Patel, Bell Labs, on "Pulsed Optoelectronic Spectroscopy of Condensed Matter."

Agromony, 3:55 p.m., 111 Tyson. Dr. Daniel Kniesel, agromony, on "Reproductive Development in Maize: Texas Style."

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865/1387 (network line 475-1387).

Applications for these staff vacancies will be accepted until 5 p.m., Jan. 21, 1982. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (P5-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ADMINISTRATIVE AIDE, COLLEGE OF EDUCATION, UNIVERSITY PARK Responsible to the Head, Division of Counseling and Educational Psychology, for administrative functions associated with the operation of the division, including coordinating course scheduling, student records, office operations, building maintenance and other related duties. Duties involve close contact with faculty and with Dean's Office. Requires five years of experience. Associate Degree or equivalent, plus one to two years of effective administrative or supervisory experience.

APPLICATIONS PROGRAMMER/ANALYST, COLLEGE OF HEALTH, PHYSICAL EDUCATION AND RECREATION, UNIVERSITY PARK Analyze information needs of organizations' administrative offices and define the information systems and services that are required to satisfy these needs in a cost effective manner. Support staff, maintain awareness of colleges' evolving administrative services and analyze office operations. Consult with staff on applications of information system planning and design, plus one to two years of effective experience including

computer procedure design and programming, administrative procedure development and systems analysis.

STAFF TRAINING AND DEVELOPMENT SPECIALIST, COLLEGE OF MEDICINE, HERSHEY Responsible to the Associate Hospital Director for the overall development, implementation and administration of staff training and development program to update supervisory and management skills. Bachelor's degree, plus two to three years of effective experience in the area of management and supervisory training and development; preferably in a health-care setting.

ASSISTANT DIRECTOR, ANNUAL GIVING, OFFICE OF GIFTS AND ENDOWMENTS, UNIVERSITY PARK Responsible within the Penn State annual giving program for planning, scheduling and coordinating fundraising telephone solicitation campaigns; planning and producing direct mail solicitations to alumni and friends; planning and coordinating senior class gift program and other student-alumni related programs and acknowledging private gifts from individuals to include special recognition. Bachelor's degree in journalism or related field, plus two to three years of effective experience in public relations, advertising or promotional activity. Experience in higher education and knowledge of printing production desirable. Good oral and strong written communications skills essential.

DATA COORDINATOR, COLLEGE OF MEDICINE, HERSHEY Responsible to the Manager, Department of Medical Records, for developing and implementing continuing programs for dissemination of patient and statistical data to the Physician Staff, Hospital Administration and associated disciplines. Bachelor's degree in Business Administration and Registered Records Administration or RRA eligible with three to six months of effective experience; or an Accredited Records Technician with at least one year of effective experience in a medical records department environment. Knowledge of the ICD coding system as well as the ability to discern and index information desirable.

COORDINATOR OF PUBLIC INFORMATION, SEHEND COLLEGE Responsible to the Dean of

Behrend College and the Director of University Relations, Behrend College, for a wide variety of duties, including coordination of communications and public information, media relations, publications and research activities for fund raising programs. Bachelor's degree in journalism or communications, with two to three years' related experience required. Excellent communication skills, particularly writing skills essential.

JUNIOR COPY EDITOR, UNIVERSITY PRESS, UNIVERSITY PARK Responsible for editing and proofreading a variety of manuscripts in accordance with standard usage, press style, and special requirements of the individual work. Clear permissions for use of copyrighted material. Maintain cooperative relations with authors, journal editors, advertising personnel, production department and acquiring editors. Convert information about books to the Library of Congress. Bachelor's degree in arts, sciences, or journalism, or equivalent, with evidence of facility in written expression and from one to two years of effective experience in editorial practices.

Faculty Staff Alerts

IRA accounts should be considered carefully

There has been much publicity recently concerning the Individual Retirement Accounts (IRA) which were provided for under the Economic Recovery Act of 1981. Beginning January 1982, University employees are eligible to start their own individual retirement accounts. The maximum allowed is \$2,000 per year. Most local banks and other financial institutions are now offering individual IRAs.

Faculty and staff members of The Pennsylvania State University are

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Friday, Jan. 22

Analytical Chemistry, 11 a.m., 333 Whitmore. Joe Yakupovsk on "Electrochemistry of Polysulfides." Geography, 3:45 p.m., 319 Walker. Warren Robinson, economics, on "The Apocalyptic Vision of Homer Loe: A Neglected Early American Political Geographer."

Exhibits

Chambers Gallery: Group Show, Graduate Art Education Students.

HUB Art Gallery: Ukrainian Club Exhibition, Art Alley.

Nittany Divers Exhibition, Art Alley. Central Pennsylvania Scholastic Art Awards, Art Alley and Browning Gallery, through Jan. 23.

Photo-Journalism Undergraduate Exhibition, opens Jan. 24.

Invitations Gallery of Photography, 212 Arts Bldg. Gallery Hours: Sunday and Tuesday, noon to 5 p.m.; Thursday, 7-10 p.m.

Jim Abbott, black and white photographs, through Jan. 20.

Karen M. Strom, landscapes, opens Jan. 22.

Kern Gallery: Dorothy Hook, paintings. Ron Hand, ceramics.

Museum of Art: Museum Hours: 11 a.m.-4:30 p.m. Closed Mondays. Tours, Sundays, 1:30 p.m.

Danish Ceramic Design, through Jan. 24. Architectural Fantasy and Reality, Drawings from the Accademia Nazionale di San Luca, Rome.

American Paintings Before World War II, from the permanent collection.

Pattee Library: Rare Books Room: The Academy of St. Luke, Rome: Architectural Treatises and Perspective Books.

Second Floor, East Palace: Slavic Books. East Corridor: James Abbot, photography.

Lending Services Gallery: Ruth Kemper, recent works.

Visual Arts Bldg., Zoller Gallery. Gallery Hours: 9 a.m.-5 p.m., Monday through Friday; Saturdays and Sundays, noon to 5 p.m.

Architectural Drawings/Alpha Rho Chi, through Jan. 24.

reminded that they have had, as members of an institution of higher education, the opportunity to participate in a more flexible tax deferred annuity program for many years under Section 403(b) of the Internal Revenue Service Code. The University has tax deferred annuity contracts with three different insurance companies: The Equitable Life Assurance Society, Teachers' Insurance and Annuity Association (TIAA), and The Variable Annuity Life Insurance Company (VALIC). It should be noted that the transfer of the health care plan administration from The Equitable to The Prudential will have no effect on the tax deferred annuity offered by The Equitable.

Generally, the opportunities afforded by existing University tax sheltered plans are more liberal and accommodating than under the new IRA Plan. Because of the numerous and varying IRA investment plans being offered by financial institutions, it would be wise for you to consult your financial advisor as to what is best for you.

FICA deductions to be higher in 1982

Social security (FICA) deductions will be higher in 1982, as mandated by Federal Law.

The social security base increased from \$29,700 to \$32,400, the rate increased from 6.65 percent to 6.7 percent, effective Jan. 1, 1982. The maximum annual deduction will be \$2,170.80, an increase of \$195.75 over 1981.

Penn State Intercom



Mr. Tarmam

New athletic director named

Joe Paterno, head football coach and athletic director, has requested to be relieved of his responsibilities as athletic director at Penn State.

"Joe feels that he has achieved the desired reorganizational and fiscal steps he set out to accomplish since he was appointed athletic director two years ago," said President Oswald. "He now wishes more time to concentrate on his coaching tasks and to spend more time with his family."

In agreeing to Mr. Paterno's request, Dr. Oswald commended him for his "high-level of performance as the athletic director" and indicated he would maintain the same organizational structure set up under Mr. Paterno.

Effective March 1, James I. Tarmam, associate athletic director, will succeed Mr. Paterno as athletic director. His promotion to director, said Dr. Oswald, was recommended by Mr. Paterno, and the two officers to whom Mr. Tarmam

(Continued on page 4)

Admissions offers on target for '82-'83

Recalling the advice of a statistics professor who used to tell classes, "Don't believe it unless you can chart it," Admissions Dean Donald G. Dickson likes to begin Monday mornings working on his notebooks of Admissions Office charts.

Right now, these charts reflect good news for Penn State. The University ceased making regular offers of admissions for spring, summer and fall as of Nov. 30 for University Park, and applications for places at the Commonwealth Campuses and Behrend are running far ahead of last year.

"By our Nov. 30 first review date, we had received 18,000 applications for admission as compared to 13,500 last year, an increase of 35 percent," Dean Dickson points out. "I believe that represents a real increase of 15 percent — and that perhaps 20 percent of the rise is due to earlier applying by students and faster processing by our Admissions staff — the application flow to mid-January continues this trend. For 1981, applications received by Nov. 30, 1980, (the 'pool') were processed by Jan. 14, 1981. For the 1982 'pool,' that work had been accomplished by Dec. 16, 1981."

Using the applications received by Nov. 30 for both 1981 and 1982 as a benchmark, University Park admissions offers are up only 4 percent because of space limitations, while offers for the Commonwealth Campuses are up 48 percent, and Behrend is up over 100 percent.

While Dean Dickson is naturally pleased with these figures, he points out that last year toward the end of January, the number of applications suddenly climbed steeply and that there is now no way of knowing whether the 1982 figures will continue to rise at the same pace.

What he does know for certain is that University Park cannot accommodate — either in its classrooms or housing

facilities — more than the 33,756 students enrolled this year.

"Last year we made 8,917 offers of admission to Summer and Fall Term baccalaureate degree programs at University Park," he reports, "and approximately 4,700 students actually wanted — about 500 more than we actually wanted. This year we will make 8,069 offers to produce 4,214 freshmen."

To hold down applications for Colleges with limited facilities for enrollment expansion, predicted gradepoint average requirements were raised for Engineering — from 2.75 to 2.9; for Business

Administration — 2.75 to 2.85; and for Science — 2.65 to 2.75. (The procedure used in developing predictions depends on whether the student's preference is for a science- or non-science-oriented College.)

"We calculate that the new eligibility levels resulted in about 800 fewer offers," Dean Dickson continues. "If we had not taken this action, we would be over our targets by now. As a further control, we will only accept 500 students with advanced standing as compared to 800 last year."

Offers of admission for the different
(Continued on page 4)

No guarantees for Centre County late applicants

Although the Admissions Office ceased sending out regular offers for places at University Park on Nov. 30, 1981, some spaces are customarily saved for special categories of applicants.

These include groups such as very high ability students, ROTC scholarship winners, EOP candidates applying late, grant-in-aid athletes, veterans, and Arts and Architecture talent program applicants.

In the past, space has also been saved for residents of Centre County, according to Dean Dickson.

For 1982, Centre County students with normal eligibility levels who applied by Nov. 30 were treated in the same way as all other candidates. Those with averages below normal University Park eligibility levels but with predicted GPAs above 2.0 have been offered admission for the Summer Term to all Colleges except Engineering.

Those Centre County students

who applied with complete credentials in December will probably also be able to be granted admission to University Park in either the Summer or Fall Term.

However, Centre County students who waited until January or later to apply have no assurance of admission to University Park — even if they are prepared to live at home. "We have a shortage of classroom space as well as housing," Dean Dickson emphasizes. January applicants will not be considered until mid-March — after the reply date for earlier applicants. Those applying in February or later probably will not be notified of their status until April.

Dean Dickson suggests that Centre County students not accepted in resident instruction programs at University Park consider utilizing the resources of Continuing Education, opting for a Commonwealth Campus, or applying for the 1982-83 Winter Term.

African programs not a one-way street, Provost reports

- At the University of Yaounde in Cameroon, a year-old copy of *PMLA*, the journal of the Modern Language Association of America, is kept locked in a separate office. Faculty members can sign out for a key, but they may not remove the journal from the office because it is in constant demand.

- Faculty members at the University of Swaziland expressed disappointment and anger when an American university which had recruited several of their graduate students handed them accelerated master's degrees, having waived normal degree requirements.

- The faculty at another African university gathered to hear a lecture by Provost Eddy, even though many of them could understand only a little English. They wanted to be in the presence of an American academic discussing an intellectual topic.

"My dominant impression from Africa," says Dr. Eddy, "is that the faculties of African universities are a beleaguered but intensely brave and dedicated group of scholars, devoted to learning and seeking to expand their horizons."

Dr. Eddy spent late November and much of December in Africa visiting Penn State's foreign studies programs and exploring possibilities for new ones, including student-faculty exchanges and assistance programs.

Accompanied by Penn State's Foreign Studies Director, Dr. W. LeMarr Kopp, he travelled to Cameroon; the University of Nairobi, Kenya; the University of Zimbabwe; Swaziland; Congo-Brazzaville; and the National University of Zaire.

In preparation for the trip, Dr. Eddy met with the ambassadors from each of these nations to discuss how they viewed their countries' needs and how Penn State could help them. He corresponded also with the American ambassadors and AID mission chiefs in each country. Finally, he spent a day at the Department of State in Washington to receive a briefing on current American policy toward each country.

Penn State now has foreign studies and foreign aid opportunities in West Africa (Cameroon), East Africa (Kenya) and Southern Africa (Swaziland). Dr. Eddy signed the agreement to establish the program at the University of Swaziland during his visit.

"At Penn State we should recognize

that our African programs are not a one-way street," Dr. Eddy remarks. "Because most Americans are so pathetically ignorant about Africa, they may not realize that Africans are as devoted to their lands and their lives as we are to ours. Africans have their 'Happy Valleys,' too. Death comes sooner there; food is less plentiful; wood may be scarcer. But it is their world, and to them it is very rich and good and filled with traditions and customs far older than ours."

Dr. Eddy cautions also against propounding simple solutions to Africa's problems.

"Different levels of problems emerge even after a brief visit," he notes. "Cameroonians face constraints on their intellectual freedom; in Kenya, the major problem is overpopulation. Zimbabwe is struggling with race relations, and Swaziland's problem is Zimbabwe — the future of these two countries is linked. In Zaire, the problem is corruption; while in the Congo, it is getting out from under the domination of the Eastern bloc."

"American foreign policy planners, however, tend to look at these countries in terms of either their potential for our own security or their ability to supply us with such essential minerals as cobalt and

uranium."

Dr. Eddy believes that President Reagan's insistence on private capital bearing its share of the cost is one of the answers to helping universities in Third World countries. Penn State, for example, is negotiating with several American oil companies for funding to establish a program in Cameroon.

"American companies that are investing heavily in Africa," Dr. Eddy points out, "are finding that the continent does not have enough educated manpower to serve their needs. The key then to the future — not just of the universities but of the nations themselves — lies in education."

Noting that probably the most critical general need is for trained faculty, Dr. Eddy cites the case of Zimbabwe, where the government took 40 young Ph.D.s from the university's staff to replace departing British officials. Again, in Swaziland, about 50 of the university's 90 faculty members are Ugandans, who are only waiting for more stable conditions to return to their homeland.

A second dominant problem is growing student unrest — much like the radical expression embraced by American students in the late '60s and early '70s.

(Continued on page 4)

Penn Staters

Dr. John C. Johnson, University research professor of acoustics and former director of the Applied Research Laboratory (ARL), has received the Meritorious Public Service Citation from the Department of the Navy.

Drs. Charles Taillie, lecturer in statistics, and G. P. Patil, professor of mathematical statistics, are co-editors of a three-volume series entitled, "Statistical Distributions in Scientific Work," published recently by D. Reidel. The books are volumes four, five and six in the NATO Advanced Study Institutes Series C, Mathematical and Physical Sciences, and constitute the Proceedings of the NATO Advanced Study Institute held during 1980 at the University of Trieste.

In addition, Dr. Patil recently presented seminars at McMaster University and the University of Toronto on his research on stochastic and statistics in marine fisheries research and management. He delivered a lecture at the University of Milan, Italy, on "Measurement of Diversity and Related Issues." On a recent trip to India, Dr. Patil chaired a session and presented a paper, "Studies in Statistical Ecology Involving Weighted Distributions," at the Golden Jubilee Celebrations of the Indian Statistical Institute in Calcutta. On the same trip, he lectured at the Universities of Bombay and Poona.

Dr. John C. Griffiths, professor emeritus of petrography, was elected a fellow of the American Association for the Advancement of Science during the AAAS Council's annual meeting earlier this month in Washington, D.C.

Dr. Richard C. Bradt, professor of ceramic science and engineering and head of the Department of Materials Science and Engineering, was one of the invited lecturers in a series of talks on materials frontiers sponsored by the Department of Materials Engineering at North Carolina State University. He discussed "The Fracture Toughness of Glasses and Ceramics, or Brittle Fracture, an Elastic Process."

Dr. Bradt also chaired a session and presented a paper at an Engineering with Ceramics meeting, sponsored by the Basic Science Section of the British Ceramic Society in London.

A critically acclaimed BBC-TV film — based on a novel by Robert C. Downes, professor of English and director of the undergraduate writing program — was shown on campus Jan. 13. Titled *Going Gentle*, the film is based on Prof. Downes' 1973 novel of the same name. It depicts the story of two terminally ill cancer patients sharing a hospital room and was the BBC's sole nominee for a 1981 International Emmy.

Dr. Peter Luckie, professor of mineral engineering and chairman of the mineral processing section in the Department of Mineral Engineering, and Dr. K. Osseo-Asare, associate professor of metallurgy, recently served as invited participants in the Indo-U.S. Workshop on Mineral Processing and Chemical Metallurgy held in Udaipur, India. The workshop was sponsored by the National Science Foundation.

Charles H. Nagin, director of management services, has been elected to a three-year-term on the board of CAUSE, the Professional Association for Development, Use and Management of Information Systems in Higher Education.

Dr. John Tilton, professor of mineral economics, presented a paper on "Material Substitution and the Demand for Tin" at the Fifth World Conference on Tin held in Kuala Lumpur, Malaysia. At the Tenth International Conference on the Unity of Science, held in Seoul, Korea, he spoke on "The Challenge for Science and Technology."

Dr. Elliot S. Vesell, professor and chairman of pharmacology at Hershey, has been named as a member of a new panel of experts in the field of geriatrics to work with the United States Pharmacopeial Convention, Inc., in developing drug-use information programs and official standards.



The Creative Achievement Medal of the College of Arts and Architecture, designed last winter by John Cook, professor of art, has been added to the collections of the American Numismatic Society in New York and to the medal and numismatic holdings of the Smithsonian Institution in Washington, D.C.

Professor Cook has also designed for the University the Faculty Scholar Medal struck in 1981 and the Mount Nittany Society Medal struck in 1980. He believes that medals should again be considered a major sculptural form.

"They are ideally suited to today's social and aesthetic needs," he contends. "Because of their amuletic qualities, their intimacy, and their ability to reach vast audiences easily, medals have an expressive capability far exceeding their physical dimensions."

Retirements

The first item on Torsten Bjälme's retirement agenda is completing the airplane he has been building in his basement for almost 10 years. Having recently sold the plane he's owned for the past 15 years, he's anxious to get the new one in the air after spending thousands of dollars and hours on it.

With the new aircraft, he'll no longer have to pay hangar rent; for it has fold-up wings, allowing him to store it in a special garage he has built for it at his home and transport it back and forth to the airport on a trailer behind his car.

He earned his pilot's license in 1946, the same year he began work as a machinist in what was then the School of Mineral Industries. Last Dec. 31, he retired as supervisor of technical services in the College of Earth and Mineral Sciences where he also served as superintendent of the College's four buildings.

Born in Kalmar, Sweden, Mr. Bjälme came to the U.S. in 1931. After his graduation from Bellefonte High School in 1939, he trained as a machinist at Sulton Engineering in Bellefonte and then at Bendix Aviation in Philadelphia. From 1944 to 1946, he served with Army Ordnance in the South Pacific.

A man of many interests, he has been an avid gun collector. He also enjoys outdoor activities, especially fishing, and is a partner in a camp in Quebec. More recently, he has become interested in photography and his retirement gift from the College's faculty and staff was a telephoto lens for his camera.

His wife, Mary Jo, a records clerk in the College of Education, plans to retire next March and then they will spend their winters in Stewart, Fla., where they recently purchased a small home. The couple has five sons, one of whom, Torsten, Jr., is a Penn State graduate and works as an accounting assistant in Pattee Library.



Mr. Bjälme

Ms. Cassidy

David Kravitz, associate professor of engineering and chairman of Mechanical Design Engineering Technology and Energy Technology Programs at Capitol Campus, retired Jan. 1.

A member of the Capitol faculty since 1967, Prof. Kravitz was among the first group of engineering faculty members to serve at Capitol. Prof. Kravitz, who holds a B.S. degree in mechanical engineering from Drexel Institute of Technology (now Drexel University), came to Capitol from Curtiss-Wright Corp.

Audrey B. Harsanyi, assistant professor of home economics in the College of Education's Division of Occupational and Vocational Studies, retired Jan. 1 after serving as a University faculty member since 1960.

25-year chair

Marie Cassidy's 25 years as a residence hall worker in Centre Halls has given her something she never had. "I always wanted a girl but never got one," she says, "so I love working with the girls."

Mrs. Cassidy feels that the people she comes in contact with everyday are an important part of her job. "I really love working with the students and I like the people that I work with. That means a lot."

And that feeling is mutually shared by co-workers and friends. "She gets along nicely with everyone," notes supervisor Marie Clink. "She's just a real pleasure to be around."

To "keep busy" and "get her mind off of work," Mrs. Cassidy is an active community member involved in the Pleasant Gap Women's Club, Logan Grange, church work and an Eastern Star member. Favorite pastimes include various craft projects and travelling south to her native Florida to forget the chill of Centre County's winter.

The proud mother of two sons, Harold and Edward, and grandmother to five grandchildren, Mrs. Cassidy lives with her husband, Leon, in Pleasant Gap.

Promotions

Staff Exempt

Curtis L. Hughes to assistant extension agent in Agriculture.
Charles Houser to supervisor of technical services in Earth and Mineral Sciences.
Woodrow Kling to assistant supervisor, technical services in Earth and Mineral Sciences.
Paul B. Rebarhak to coordinator, farm, greenhouse and turf plots in Agriculture.

Clerical

Vera Carson to secretary B in Earth and Mineral Sciences.
Linette K. Courtney to secretary B in Foreign Studies.
Earl Davis to secretary C in Continuing Education.
Anna Marie Ediger to secretary B at Capitol.
Melody P. Heckman to insurance clerk in Controller's Office.
Tamera Korman to correspondence typist A in Health, Physical Education and Recreation.
Elizabeth A. Lass to secretary C in Engineering.

Carol Ann Sonnier to secretary B in Science.
Doris A. Vickroy to secretary B at Hershey.
Christine Wilson to secretary B in Engineering.

Technical Service

George R. Atticks to maintenance worker, utility at Capitol.
Thomas I. Cox to operating mechanic in Physical Plant.
Mary Lou D. Ishler to food preparer B in Housing and Food Services.
Gary St. Clair to senior operating mechanic in Physical Plant.

Calendar report

The Calendar Conversion Council will review an executive summary of its Summer Session Committee report at its Feb. 3 meeting before forwarding the summary to President Oswald.

The committee, chaired by Henry J. Hermanowicz, submitted to the Council a comprehensive report which examines the purpose of the summer session, student population to be served, tuition structure, faculty compensation system, budget structure, and administrative arrangements.

In other business, the Council reported that deans of the colleges at University Park have indicated a preference for the FLEX 83-C schedule in meeting their program requirements. The schedule will be used in developing the Facilities/Faculty/Program Match project.

Council also:
— announced appointment of a Communications Committee, which will hold its first meeting Jan. 22;
— approved a report from its Faculty Contracts Committee and forwarded it to President Oswald;

— noted that staff members have been discussing calendar concerns with students and are available to meet with any University groups desiring information on the conversion process.

Obituaries

Egon Gartenberg, who joined the faculty at Mont Alto in 1970, retiring as an associate professor of music in 1976, died Jan. 9. He was the author of three books. *The Composer Mahler, Vienna: Its Musical Heritage and Johann Strauss: End of an Era.* His last book, *Daumier*, will appear later this year.

Frederick A. Hussey, an associate professor of administration of justice, died Jan. 12. He was 39. A member of the faculty since 1972, Dr. Hussey held a doctor's degree from Brandeis. Co-author of the book, *Probation, Parole and Community Field Services: Policy, Structure and Process*, he was coordinator of the field experience for his program.

James H. McKelvey, a painter with Physical Plant from 1960 until his retirement in 1972, died Jan. 10 at the age of 76.

Nancy A. Rosenblatt, a part-time lecturer in the Department of History from 1966 to 1981, died Jan. 10 at the age of 46. A Berkeley Ph.D., Dr. Rosenblatt was a specialist in modern European history.

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University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Jan. 21 - 31 Special Events

Thursday, Jan. 21
Industry-University Cooperative Program in Recombinant DNA Technology Lecture. 10 a.m., 112 Kern. T.H. David Ho, Univ. of Illinois, on "Plant Molecular and Cellular Biology."
Museum of Art lecture, 10:30 a.m. Elaine Dee, Smithsonian Cooper-Hewitt Museum, on "Oppenheimer: Marchionni and the Accademia di San Luca."
Liberal Arts Faculty meeting, 3 p.m., 101 Kern. Kern Classics, "Funny Girl." 7 and 9 p.m., 112 Kern.

Friday, Jan. 22
Board of Trustees meeting, Faculty Bldg.
Penn State Conference on General Education.
Five concurrent panels, 1-5 p.m., Keller Conference Center. Keynote address, 8:30 p.m., Schwab Auditorium. Speaker, Harlan Cleveland, director, Hubert H. Humphrey Institute of Public Affairs, Univ. of Minn., on "Shouldn't We Also Be Educating for Wisdom?"
Sports: Gymnastics (women) vs. Florida, 8 p.m.

Saturday, Jan. 23
Board of Trustees meeting, Faculty Bldg.
Penn State Conference on General Education.
Four concurrent panels and plenary panel, 9 a.m.-12:30 p.m., Keller Conference Center.
Faculty Women's Club Midwinter Coffee, 9-11:30 a.m., Museum of Art.
Cross-Country Ski Workshop for Beginners, Shaver's Creek Environmental Center, 10:30 a.m., Stone Valley.
France-Cinema, Truffaut, *The Last Metro*, 7 and 9 p.m., 112 Kern. Also Jan. 25.
Owl Prowl, Shaver's Creek Environmental Center, 7:30 p.m. Information: 238-5872.
Sports: Bowling, Penn State Lion's Pride Invitational, also Jan. 24. Gymnastics (men and women) vs. Ohio State, 8 p.m.

Sunday, Jan. 24
Cross-Country Ski Workshop for Advanced Skiers, Shaver's Creek Environmental Center, 2 p.m., Stone Valley.

Monday, Jan. 25
Sports: Basketball vs. Syracuse, (women) 6 p.m., (men) 8:10 p.m.

Tuesday, Jan. 26
Comp. Lit. Luncheon, 12:15 p.m., 204 HUB.
Nickolas Grace, Royal Shakespeare Company, on "The King's Two Bodies: An Actor's View of Richard II."
English Dept. Colloquium, 8 p.m., 112 Kern.
Workshop on Shakespearean scenes (related to Saturday night Artists Series performance), Royal Shakespeare Company actors.

Wednesday, Jan. 27
Instructional Development Workshop.
"Communication Strategies that Help Motivate Students," 9:30-11 a.m., 305 HUB.
Artists Series, ACTER/Actors from the Royal Shakespeare Company, *Under Milk Wood*, 8:30 p.m., Schwab Auditorium.
Sports: Basketball vs. Temple, (women) 6 p.m., (men) 8:10 p.m.

Thursday, Jan. 28
Instructional Development Workshop.
"Communication Strategies that Help Motivate Students," 3:40-5 p.m., 305 HUB.
Royal Shakespeare Company public lecture, "Who's Afraid of the Sonnets?" 4 p.m., 105 Forum.
Kern Classics, "Support Your Local Sheriff," 7 and 9 p.m., 112 Kern.

Friday, Jan. 29
Museum of Art lecture, 5 p.m. Tod Marder, Rutgers Univ., on "Bernini's Pantheon at Arcadia."
Artists Series, ACTER/Actors from the Royal Shakespeare Company, *Shakespeare Lady: The Life and Times of Fanny Kemble*, 8:30 p.m., Schwab Auditorium.
Sports: Swimming (women) vs. Clarion, 6 p.m.; Gymnastics (men) vs. York, Canada, 8 p.m.; Ice Hockey vs. Bowling Green, 9:15 p.m.

Saturday, Jan. 30
Cross-Country Ski Workshop for Advanced Skiers, Shaver's Creek Environmental Center, 10:30 a.m., Stone Valley.



From left: Richfield, Kohler, Tracy, Homewood, Grace

Five RSC actors will participate in week residence

Five distinguished actors from the Royal Shakespeare Company will be in residence at the University Jan. 25 through Jan. 30.

During its residency the Company will present three evenings of theatre: *Under Milk Wood* (Wednesday, Jan. 27), *Shakespeare Lady: The Life and Times of Fanny Kemble* (Friday, Jan. 29), and *Love, Love, Nothing But Love* (Saturday, Jan. 30).

All performances will be held in Schwab Auditorium at 8:30 p.m., under the sponsorship of the Artists Series.

Under Milk Wood, a play for Voices is Dylan Thomas' last completed work. In keeping with the original design of the play, four actors will recreate in a dramatic reading the dreams, memories and daily lives of the inhabitants of a Welsh village.

Shakespeare Lady: The Life and Times of Fanny Kemble is a fully costumed production devoted to the letters, diaries and many of the Shakespearean roles played by one of the most remarkable Shakespearean actresses of the 19th century.

The residency concludes on Saturday evening with *Love, Love, Nothing But Love*. As the title suggests, this is an evening of scenes from Shakespeare's best known plays on the theme of love.

The actors in residence at Penn State are Nickolas Grace, William Homewood, Estelle Kohler, Edwin Richfield and Susan Tracy.

Nickolas Grace, who has been with the Royal Shakespeare Company for many years, most recently appeared at the Edinburgh Festival in a new production of *Candida*. William Homewood is a published poet and composer, and his musical, *The Siege of Masada*, was performed in 1980 in West London.

Estelle Kohler has been a leading actress with the Royal Shakespeare Company for more than ten years, performing many roles in Stratford and at the Aldwych. Edwin Richfield has stage, film and television credits. Susan Tracy, who began her career in repertory at the Victoria Theatre in Stoke-on-Trent, is also seen frequently on British television.

Tickets to all three performances are now on sale at Eisenhower Auditorium box office, weekdays from 9 a.m. to 4 p.m. Phone orders on MasterCard/Visa will be accepted at 863-0255 during sale hours.

The Royal Shakespeare Company actors in residence at University Park will participate in four programs open to the

public, in addition to meeting with classes.

This part of their residency is sponsored by the Institute for the Arts and Humanistic Studies.

"The King's Two Bodies: An Actor's View of Richard II" will be the subject of Nickolas Grace in a 30-minute talk at the Comparative Literature Luncheon on Tuesday, Jan. 26, at 1 p.m. in Room 204 HUB. Those wishing lunch should appear at 12:15 p.m.

Tuesday evening at 8 p.m., The English Department Colloquium will be devoted to a workshop on Shakespearean scenes, related to the Saturday night performance of *Love, Love, Nothing But Love*. All of the actors will participate in this workshop.

A public lecture on Shakespeare, "Who's Afraid of the Sonnets?" will be presented by William Homewood on Thursday, Jan. 28, in Room 105 Forum. This lecture will be open to students in area public schools.

The final event is a symposium sponsored by the English Department on "Shakespeare in the Modern Theatre." The five RSC actors will discuss and demonstrate various trends in producing Shakespeare on Saturday, Jan. 30, from 10 a.m. to noon in Room 112 Kern.

France-Cinema, Kurosawa, *Kagemusha*, 6:30 and 9 p.m., 112 Kern. Also Feb. 1.
Artists Series, ACTER/Actors from the Royal Shakespeare Company, *Love, Love, Nothing But Love*, 8:30 p.m., Schwab Auditorium.

Sports: Fencing (men) vs. Army and Wm. Patterson, 11 a.m.; Bowling vs. Howard, 1 p.m.; Basketball (women) vs. Seton Hall, 2 p.m.; Swimming (men) vs. Ohio State and Cleveland State, 2 p.m.; Volleyball (men) vs. Army, 2 p.m.; Wrestling vs. Navy, 8 p.m.; Ice Hockey vs. Green, 8 p.m.

Sunday, Jan. 31
Cross-Country Ski Workshop for Beginners, Shaver's Creek Environmental Center, 2 p.m., Stone Valley.
Sports: Swimming, Penn State Diving Invitational, Volleyball (men), Nittany Lion Invitational, 9 a.m.; Bowling vs. Temple, 1 p.m.; Wrestling vs. Maryland, 2 p.m.

Seminars

Thursday, Jan. 21
Chemistry, 12:45 p.m., 333 Whitmore. Albert I. Meyers, Colorado State Univ., on "New Asymmetric Carbon-Carbon Bond Forming Reactions."
Physics, 3:50 p.m., 445 Davey. C. Patel, Bell Labs., on "Tuned Optoacoustic Spectroscopy of Condensed Matter."
Agronomy, 3:55 p.m., 111 Tyson. Daniel Kniel, agronomy, on "Reproductive Development in Maize: Texas Style."

Friday, Jan. 22
Analytical Chemistry, 11 a.m., 333 Whitmore. Joe Yakupovich on "Electrochemistry of Polysulides."
Geography, 3:45 p.m., 319 Walker. Warren Robinson, economics, on "The Apocalyptic Vision of Homer Ixus: A Neglected Early American Political Geographer."

Monday, Jan. 25
Aerospace Engineering, 4 p.m., 232 Hammond. L. Michael Freeman, Mississippi State Univ., on "A Solution of the Incompressible Two-Dimensional Navier-Stokes Equations

for Flow Over and Airfoil Using an Adaptive Grid."

Entomology, 4 p.m., 204 Patterson. Edgar D. Eckes, director, USDA, APHIS, PPQ, on "The California Med Fly Eradication Project."

MC3B, 4 p.m., 101 Althouse. George Weinbaum, Dept. of Pulmonary Diseases, Albert Einstein Medical Center, on "The Role of Proteases in the Development of Emphysema."

Tuesday, Jan. 26
MC3B, 11 a.m., 101 Althouse. George Weinbaum, Dept. of Pulmonary Diseases, Albert Einstein Medical Center, on "The Role of Proteases Inhibitors and Other Defense Mechanisms in Preventing Emphysema."

Ag Greenhouse, 2:20 p.m., 301 Ag. Adm. Dave Sheilar, entomology, on "Animal Pest Management in the Greenhouse."

Water Pollution Control, 2:20 p.m., 271 Willard. Bruce Morton, Univ. of Connecticut, on "Septage Treatment and Groundwater Quality Relationships."

Geosciences, 3:45 p.m., 22 Deike. J.C. Griffiths, petrology, on "Geologic Similarity by Q-Analysis."

Plant Pathology, 3:55 p.m., 213 Buckhout. Daniel Small on "Fabricius-Classic #1."

Biomechanics-Industrial Management Systems Engineering, 4 p.m., 216 Hammond. Andris Freivalds, industrial engineering, on "Use of Biomechanical Strength Models for Industrial Job Analysis."

Materials Science, 4 p.m., 112 Walker. P. McMarr on "Spectroscopic Ellipsometry — A New Materials Characterization Tool." U. Pal on "Kinetic Studies on Liquid Slags Containing PbO."

Wednesday, Jan. 27
Physiology, 4 p.m., 121 Noll. Seymour Abpert, professor of applied physiology, Univ. of New Mexico, on "The Two-Reservoir Model for Human Energy Storage and Exchange."

Thursday, Jan. 28
Chemistry, 12:45 p.m., 333 Whitmore. John T. Herron, Nat'l. Bureau of Standards, on

"The Chemistry of the Criegee Intermediate."

Music, 1 p.m., Music Bldg. Recital Hall. Anthony Walls on "Compositional Technique and Compositional Thought in the String Quartets of Haydn."

Physics, 3:50 p.m., 445 Davey. J. Tucker, Univ. of Illinois, on "Quantum-Limited Response of Non-Linear Tunnel Junctions."

Agronomy, 3:55 p.m., 111 Tyson. Todd Campbell on "Modeling Competition Between Corn, Yellow Nutsedge, and Velvetleaf." Doug Breda on "Interaction of Three Trifurges Species."

Friday, Jan. 29
Analytical Chemistry, 11 a.m., 333 Whitmore. Kathy Perry on "Recent Developments in Capillary Columns for HPLC."

Geography, 4 p.m., 319 Walker. Don Leon, architecture, on "The Pennsylvania Courthouse Project."

Exhibits

Chambers Gallery: Group Show, Graduate Art Education Studies, through Jan. 28.

Museum of Art: Mused Mondays, 11 a.m.-4:30 p.m. Closed Mondays. Tours, Sundays, 1:30 p.m.

Danish Ceramic Design, through Jan. 24. Architectural Fantasy and Reality, Drawings from the Accademia Nazionale di San

Lucain, Rome.

American Paintings Before World War II, from the permanent collection.

Pattee Library: Rare Books Room: The Academy of St. Luke, Rome: Architectural Treatises and Perspective Books.

Second Floor, East Patten: Slavic Books, through Jan. 25; Jim Adams, ceramics, through Jan. 26.

East Corridor: James Abbott, photography. Lending Services Gallery: Ruth Kemper, recent works, through Jan. 26; Rebecca Ostels, open, Jan. 26.

Visual Arts Bldg., Zoller Gallery. Architectural Drawings/Alpha Rho Chi, through Jan. 24.

Faculty/Staff Alerts

Major Medical claims due by March 31

March 31, 1982, is the last date on which The Prudential Insurance Company will accept charges for a 1981 major medical claim for University employees or their dependents. A major medical claim is established if an employee reports \$100 of eligible, out-of-pocket medical expenses incurred during the calendar year 1981.

Charges that are acceptable for major medical claim include doctors' office calls, prescribed drugs, private duty nursing (if medically necessary), local ambulance services, oxygen, physiotherapy, insulin and special equipment and appliances. Among charges not covered are routine physical exams, dental work, eye exams and lenses.

Hemized receipts should be obtained for eligible charges and submitted to The Prudential with a claim form. In order to

avoid delay of payment by the insurance company, all questions in the employee's section of the claim form should be fully completed. Cancelled checks and cash register receipts are not acceptable evidence of charges incurred.

Claim forms and additional information on how to report a major medical claim are available at the Employee Benefits Division, Room 133 Willard Building, the Business Offices at locations other than University Park, and the Personnel Office at the Hershey Medical Center.

Address card needed by foreign nationals

Annually during the month of January all foreign nationals including those with permanent resident status are required by law to complete a special address card to be sent to the Immigration and Naturalization Service. This annual address form is different from the regular change of address form aliens are required

to prepare periodically and must be prepared and submitted even though the alien may have recently submitted a normal change of address notice.

The special forms can be obtained at the Post Office and directly from the Immigration and Naturalization Service. The normal procedure is that the alien completes the card and returns it to the Post Office for delivery to the Immigration and Naturalization Service.

If they follow their regular pattern, the Immigration and Naturalization Service will place notices in local newspapers reminding aliens that they must complete the annual address forms and that rather harsh penalties do exist for failure to comply with the form. The annual address forms are available at the Post Office only until Jan. 31. Therefore, it is essential that the aliens take action during January. After Jan. 31 the forms can only be obtained from the Immigration and Naturalization Service and the alien will be required to explain why the address form was not filed as specified.

Dr. Eddy visits African universities

(Continued from page 1)

"African students are rebelling against unfulfilled promises made by the new post-colonial governments," Dr. Eddy explains. A single example suffices. The Africans in Zimbabwe still live in compounds; the principal difference now that the British have left is that the gates aren't locked at night.

Governments tend to deal with unrest by shutting down the universities and sending the students back to their tribal villages. Sometimes this has unexpected results. When the University of Nairobi was closed, its students campaigned from village to village and in the next election, three leading government ministers were defeated.

Still a major problem is how to keep young nations from using their universities to serve a particular political purpose of the government or dictator in power.

"Many of the administrative posts within the university are regarded as political plums," Dr. Eddy observes. "On occasion one can turn on the radio at noon for the national announcements and hear that four deans — or even the chancellor or vice chancellor — have been replaced. That's how the persons affected hear about it, too."

Travelling through Africa, Dr. Eddy found much to remind him of what Penn State must have been like in the 1870s — a hardy group sitting out in the middle of a valley trying to keep a university alive and encouraging each other in research and scholarship. This kind of isolation engenders a strong sense of cooperation rather than competition. When an individual learns something, he feels an immediate obligation to share it with the community because he is a part of a community that needs to stand together. "Our land-grant concept is something that speaks to African scholars," Dr. Eddy continues, "because both their universities and their nations are young, and they can grow together. Coming out of a colonial past, they have patterned their universities on French, British and Belgium models, which have strong, almost unshakable traditions of what to learn and exactly how to learn it. The Africans to whom I talked were attracted immediately by the idea that higher education could be shaped to meet the needs of the people as well as the needs of a particular time period."

Utilizing the groundwork that has been laid by the University's Office of Foreign Studies and several of the academic colleges during the past few years in Africa, Dr. Eddy believes that Penn State's major contribution should be the strengthening of the intellectual life in African universities through faculty and student exchanges.

"The thirst for knowledge of a high quality is so great in Africa that it can be met in part by even small doses of contact and exposure," he says, adding:

"We need also to provide assistance with administrative and managerial skills. At one university I visited, the chancellor told me that he has to come to his office each evening and personally opens and answers every piece of mail for the university."

Dr. Eddy concludes:

"Before we left for Africa, all the experts who saw our schedule told us we would never be able to adhere to it, that Africans don't keep to schedules, that their planes are impossibly late and sometimes don't even fly."

"I'd like to report that we made every meeting which had been planned and that of all the airlines we flew, only one was very, very late — the line, U.S. Air."

Engineering, Science, Business applications soaring

(Continued from page 1)

Colleges show a great deal of fluctuation between 1981 and 1982. Engineering registered a 35 percent increase in offers systemswide, much of it at the Campuses because of space limitations at University Park. Business Administration was up 18 percent and Science, 34 percent, and both of these Colleges showed a dramatic increase in Campus offers.

"Although the University does not admit by major, we think that the increase in Science may be due largely to the growing interest in computer science," Dean Dickason observes.

Earth and Mineral Sciences had a 67 percent increase. "Their offers at University Park rose from 118 to 238," Dean Dickason says. "About half of these were to students who could not be accommodated in Engineering. By steering them to E&MS, we saved them from Penn State."

Colleges with a decline in the number

of their U.P. offers are Agriculture, Arts and Architecture, Education, and Health, Physical Education and Recreation. However, at the Campuses, Ag, A&A and HPER increased their offers over last year, as did Human Development, Liberal Arts and DUS. The last three Colleges registered small gains at University Park as well.

What does the future hold for Penn State's enrollment?

Dean Dickason has a chart ready. Based on figures from the State Department of Education, the number of Pennsylvania high school graduates continuing on to college dropped from 81,000 in 1975 to 75,500 in 1981. While the yearly declines have been gradual, by 1986, a figure of 61,000 is projected.

"Historically, about 30 percent of all college-bound high school seniors apply to Penn State's baccalaureate and associate degree programs," Dean Dickason points out. "Since we know that the total pool is

declining, we must increase the percentage of those applying to the University. On the other hand, between 1975 and 1981, the number of our out-of-state applicants rose from 3,500 to 7,500; so while we have held our own within the State, we have gained outside its boundaries.

"During the current year, we estimate we will have made about 678,000 student contacts, sent out 175,000 applications and captured 40,000 applications for the year."

At this point, it is still too early to estimate the number of "paid accepts" the University will receive. They are well ahead of last year, according to Dean Dickason, but "the offer cycle has been so much different that year-to-date comparisons are currently worthless."

"One thing I am certain of after many years of watching the annual admissions fray, however, and this is that anyone who is in the business needs a high tolerance for ambiguity."

New director

(Continued from page 1)

will report — Robert Patterson, senior vice president for finance and operations, and Dr. Karl Stoedafke, acting dean of the College of Health, Physical Education and Recreation.

"We are fortunate to have Mr. Tarmann on the staff to assume the responsibilities as athletic director; a position he has worked in very closely with Mr. Paterno," Dr. Oswald added. "Mr. Tarmann has done an absolutely first-rate job in performing his responsibilities."

Under Mr. Tarmann's leadership, the Intercollegiate Athletic Department will remain part of the College of Health, Physical Education and Recreation. The athletic director of the department will report to:

— the Senior Vice President for Finance and Operations for fiscal, organizational, personnel, contractual and other policy matters;

— the Dean of the College for all academic related matters such as the academic duties and progress of the coaching staff, the academic integrity of the intercollegiate program (for example, admissions, eligibility, etc.) and relations with the University faculty; and

— both officers on matters relating to facilities and their usage.

Mr. Tarmann has been a Penn State employee for 23 years, serving in sports information, public relations, operations and management.

A 1952 honors graduate of Gettysburg College, he is a member of Phi Beta Kappa and a trustee of the college. He also is a member of the College Sports Information Directors of America Hall of Fame.

Staff Vacancies

The following vacancies for positions classified as staff exemplify a staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in these positions may apply by calling the Employment Division, 665-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Jan. 28, 1982. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PF-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

HISTOPATHOLOGY TECHNOLOGIST, COLLEGE OF AGRICULTURE, UNIVERSITY PARK Responsible to Department of Veterinary Science faculty supervisor for the selection, preparation and maintenance of animal tissue samples for diagnostic testing. Instruct and direct technicians, staff members and students in histologic techniques. Prepare variety animal tissue for the histopathology preparative laboratory, to include cutting, fixation, dehydration, embedding and microtomy for both light and electron microscopy. Stain tissue preparations employing tissue stains, special chemical strains and immunohistochemical procedures for fluorescent and antibody evaluation. Operate and maintain equipment such as microtome and knives, ultramicrotomes, autoclaves, various ultracentrifuges, etc. Associate degree (or equivalent) and American Society of Clinical Pathologist Histotechnologist Registration, plus one to two years of effective experience.

PHOTODUPLICATION PRINTER, COMMONWEALTH EDUCATIONAL SYSTEM, UNIVERSITY PARK Responsible for the operation of the black and white printing dark room, including the coordination of processing and printing functions, quality control and supervision of the print room employees. Produce quality photographic reproductions from original negatives and client submitted negatives. An associate degree or equivalent in photography or related field,

plus one to two years of effective experience. A portfolio or other demonstration of competency is required.

There are positions in certain work units that, because of the large number of such positions, frequently are still available after employees in the work unit have been considered. They are listed below and will not be listed on an individual vacancy basis. Application for such positions may be made at any time, and you are welcome to make your interest known now to the Employment Division for future consideration when such vacancies occur. These positions are:

POSITION TITLE	LOCATION
Assistant Food Supervisors	Housing and Food Services
Computer Operators	Intercollegiate Research Programs
Skilled, 8 a.m.-4:30 p.m. 4:30 p.m.-1 a.m. 12-8 a.m.	
Programmers	Management Services
Research Aides	College of Agriculture
Cardiology Technicians	Hershey
Clinical Laboratory Assistants	Hershey
Clinical Laboratory Technologists (HEW)	Hershey
Critical Care Monitoring Technicians	Hershey
(Jr., Sr., Levels)	
Cyto-Technologists	Hershey
Licensed Practical Nurses	Hershey
Medical Technologists	Hershey
(ICLA, MLT, CLT, HEW)	
Nuclear Medical Technicians	Hershey
Perfusionists	Hershey
Pharmacists	Hershey
Physical Therapists	Hershey
Physician's Assistants	Hershey
Psychiatric Assistants	Hershey
Radiology Technicians	Hershey
Research Technicians	Hershey
(Jr., Sr., Levels)	
Respiratory Therapy Technicians	Hershey
Staff Nurses	Hershey

Penn State Intercom

Trustees select Conti and Book

Walter J. Conti, owner and operator of Conti's Cross Keys Inn in Doylestown, Bucks County, has been elected president of the University's Board of Trustees. Edward R. Book, chairman and chief executive officer of Hershey Entertainment and Resort Company (HERCO) Inc., Hershey, was named vice president. Both were elected to one-year terms. Mr. Conti succeeds Quentin E. Wood, president and chief executive officer of the Quaker State Oil Refining Corp. of Oil City. Mr. Wood had served three terms and did not seek re-election. Mr. Book succeeds Mr. Conti, who has been vice president of the Board for three years.

Mr. Conti is president of the National Restaurant Association. He serves on the Pennsylvania Governor's Council on Physical Fitness and Sports and as a director of Big Brothers of America. In 1980, he was a delegate to the White House Conference on Small Business. While a Penn State student, Mr. Conti was president of Kappa Sigma fraternity. Since graduating in 1952, he has been active in alumni affairs. He is a charter member of the Penn State Club of Bucks County and also serves on its board of directors.

He has been an area chairperson for the Penn State Alumni Fund and a "Penn State Drummer." He is a member of the Nittany Lion Club and the advisory council of the University's Levi Lamb Fund.

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From left: Drs. Tischler, Oswald, Eddy, Lewis, Gross.

Conferees begin discussions on role of general education in today's curriculum

Five administrators and faculty members provided an intellectual and historical context for the subject of General Education as Penn State's two-day conference on this topic opened Friday afternoon.

Speakers were University Faculty Senate Chairman Nancy M. Tischler, President Oswald, Provost Eddy, Liberal Arts Associate Dean Arthur O. Lewis and Capitol Campus Provost/Dean Theodore L. Gross.

Dr. Tischler, professor of English and humanities at Capitol, convened the session in a crowded Keller Conference Center Auditorium. She told the 250 delegates that the Conference addresses an urgent need at Penn State, "since breadth, in many ways, is our most challenging concern." The conclave, she noted, "allows us to talk about the menu, without actually cooking the meal."

In his talk, Dr. Oswald acknowledged the appropriateness of having members of the Board of Trustees Committee on Educational Policy meeting with faculty members and administrators during the Conference.

"When I first proposed this Conference," he said, "I felt it was absolutely essential that the Faculty Senate, representing the faculty, the Provost's Office, representing academic administration, and the President's Office, covering the total educational thrust of the University, each be involved in its development; and I was determined that whatever we did would broadly involve the entire University in all of its programs and campuses."

Noting the cyclicity of the general education issue in academe, Dr. Oswald advised Conference delegates to use two words — breadth and depth — as touchstones in their deliberations.

"By breadth in education," he said, "I have reference to the educated individual who is widely informed, is better able to use natural wits in interconnecting

thoughts and concepts, reaching more logical answers, and concerned with a breadth of issues."

He also acknowledged the importance of depth in the educational experience.

"The concept of depth . . . can relate to the student's preparation for his professional career, his first job, and serve as the foundation for the unfolding of his lifetime contribution to the society which sustains him. However, I think we will all agree that it is the *breadth* of his educational experiences which prepares him for his fourth, fifth or sixth job and for the adaptation to change and new direction with which he or she will be faced."

He said that general education must be thought of as "more than service courses, more than efforts to make better architects or teachers. Our educational mission at Penn State . . . must have a concern for better people — more productive, more inventive, more conciliatory, more comprehending."

"I am sure we do not want to confound this Conference with a *plan* for general education at Penn State," he continued, "but Penn State, as must all similar institutions, should assure that the breadth of general education is sufficiently

high in its priority as an educational mission."

"Some will take issue with the concern implicit in this Conference; some will take the position that nothing needs to be done. But we are considering this issue at a propitious time as we move toward our calendar change and the opportunity inherent for a fresh view of content and mission."

He reminded that "we educate not for some small stage or for one brief decade. What we do here at Penn State is woven into the warp of our nation for generations."

Concluding, Dr. Oswald commended the stated issues of the conference to delegates:

- What common learning is essential?
- Does the student with a general education bear a distinctive mark?
- To what extent can the liberal arts and sciences be related to the professions and result in an education pertinent to the contemporary world?

— Can a greater synthesis between the objectives of general education and career aspirations be realized so that the student is adequately prepared for graduate and professional school as well as the world of

(Continued on page 4)



Top, Mr. Conti; bottom, Mr. Book.

International education must permeate general education, Dean Paulson says

The "international imperative" was the topic of an address by Dr. Stanley F. Paulson, dean of the College of the Liberal Arts, at the Friday evening meeting of the Conference.

Dean Paulson agreed at the last minute to act as a substitute for the scheduled Conference keynote, Dr. Harlan Cleveland, who was stranded in Minneapolis by the weather.

Pointing out that the content of basic education must shift with the times, Dean Paulson said that "what is basic in our

time is the need for international competence. . . . International education must permeate general education at the University because all citizens have to confront a new world reality in ways they have never done before."

"International competence is essential to our economic, physical, social and cultural survival," Dean Paulson warned, noting that the American economy is linked to that of the world as never before. In Pennsylvania, for example, one

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Penn Staters

Dr. Parris Chang, professor of political science, made an invited presentation on "China's Modernization and Foreign Policy" in a panel on "International Relations in East Asia," held in December at Tokyo University of Foreign Studies. On Jan. 11, Dr. Chang gave an invited talk on "China's Leadership and Political Developments" at the National War College in Washington, D.C.

In addition, his monograph, "Elite Conflict in Post-Mao China," was published in December by the University of Maryland Law School's Occasional Papers Series in Contemporary Asian Studies.

Provost Edward D. Eddy is the author of an article, "Higher Education Axioms for the Eighties: What should be higher education's basic concerns for this decade?" The piece appears in the Winter issue of *Educational Record*, published by the American Council on Education.

Dr. Thomas A. Hale, associate professor of French and comparative literature, has been named chairman of the Division on French Literature Outside Europe of the Modern Language Association. Dr. Hale previously served the Division as a member of its Executive Committee.

Dr. Linda W. Craighead, assistant professor of education in the Division of Counseling and Educational Psychology, has received the 1981 New Researcher Award from the Association for the Advancement of Behavior Therapy. Her award-winning study, "Behavior Therapy and Pharmacotherapy of Obesity," was co-authored by Albert J. Stunkard, M.D., of the University of Pennsylvania, and Richard M. O'Brien, Ph.D., of Hofstra University. It was published in the July 1981 issue of the *Archives of General Psychiatry*.

Dr. Luis F. Gonzalez-Cruz, professor of Spanish at New Kensington, has received an award from the *Journal Revista Chicano-Riquena* for his short story, "Lazaro volando." The story, published in a special anthology of "Latino Fiction," depicts the final days of Batista's regime and the arrival in Havana of Castro's forces.

Dr. Gonzalez-Cruz's poem "Albor" has also been included in an anthology published by Ediciones Solar of Miami as an "Homage to Angel Cuadra," the Cuban poet currently imprisoned in his homeland.

Paul W. Welliver, professor of education in the Division of Curriculum and Instruction, is the recipient of the Pennsylvania Learning Resources Association's 1981 Eero Davidson Memorial Award. The award is presented to a member of the Association for outstanding accomplishment in communications.

James Garbarino, associate professor of human development, is co-writer of a film that won a Silver Award at the recent International Film and TV Festival of New York. His work, "Don't Get Stuck There," is a 14-minute, 16 millimeter documentary about abused adolescents. The film was produced by the Boys Town Center in Nebraska in cooperation with Face-to-Face Health and Counseling Service of St. Paul, Minn.

Dr. Robert D. Shipman, professor of forest ecology, received the Award of Merit of the Northeastern Weed Science Society at the organization's recent annual meeting in New York City.

Wolfgang E. Meyer, professor emeritus of mechanical engineering, was recently elected a Fellow of the Society of Automotive Engineers (SAE).



Ms. McCutcheon

Retirements

Hazel J. McCutcheon believes the secret to enjoying life is learning and growing, and it was with the philosophy that "every end is a new beginning" that the Osgontz Campus associate librarian looked forward to her Dec. 31 retirement.

In 1960 Ms. McCutcheon joined the Osgontz staff after having gained experience at the Free Library in Philadelphia and as a teacher in both public and private schools. She earned a bachelor's degree and a master's in education, with a mathematics major, from the University of Pennsylvania. Later she earned a master's degree in library science at Drexel.

During her tenure as head librarian at Osgontz, she was instrumental in the planning and development of the three-story library facility, completed in 1971.

In retirement, she hopes to pursue her interest in oil painting, music, calligraphy, sewing, crafts, and even yoga, and especially looks forward to newfound time to read — for in her own words "there's so very much to know."

The old adage, "a jack of all trades and a master of none," certainly doesn't apply to Harold E. Rudy. He should more appropriately be referred to as a "master of trades" after his years of experience as supervisor of trades in Physical Plant. Mr. Rudy not only celebrated his retirement toward the end of 1981 but also his 25-year award for University service.

His Penn State career began in 1956 as a foreman in the Sheet Metal Shop, where he was involved with laying out and estimating work, contacting customers and supervising construction. He advanced to supervisor of trades in 1974, assuming responsibility for the supervision of work crews, new construction, installations, remodeling and maintenance of existing systems.

"Harold Rudy supervised most of our trade crews at one time or another," notes Don Roté Jr., supervisor of trades. "He always responded no matter what the problem or what time of day it was; even at 2 or 3 a.m., he was there. He was also a very well-liked employee. He got along with everyone with whom he came in contact."

Residents of Boalsburg, Mr. Rudy and his wife, June, have one son, Gerald, who graduated from Penn State in 1972 with an associate degree in hotel administration.

James R. Weaver recently left a job many would have given their eye tooth — or rather their "sweet tooth" — to have. As production supervisor of Creamery Products, he retired Jan. 1 after what he calls, "38 really nice years."

Mr. Weaver's long career reflects a lot of experience in the dairy field. In 1941, he began his service as a laborer in the dairy barns where he worked until 1943. Two years later, he returned to the Creamery as head bottler in the milk room. In 1947, he was promoted to the enviable position of ice cream maker in the ice cream room, where he worked computing mixes and flavoring ice cream. After ten years in that job, he assumed his present position as production supervisor.

James Weaver is one of five brothers who have worked or are working for the University. Although three of the family members are retired, one brother, Don, is currently employed at the Services Building. In addition, two of Mr. Weaver's sons are Penn State grads. John received his doctorate in food science in 1977, and Gary earned a master's degree, also in food science, in 1976.

A Spring Mills resident since 1946, Mr. Weaver and his wife, Ruth, are looking forward to travelling during his retirement.

For Leda Brobeck, Jan. 1 means not only the start of the new year but a new lifestyle of "just taking it easy." After 34 years of University employment, Mrs. Brobeck won't find it hard to fill her retirement days. "Whenever I find something I like, I do it," she says. She enjoys knitting and crocheting, working quilts by hand, and plans to travel to Colorado to visit her brother and to Arizona to see a niece.

Starting in 1948, Mrs. Brobeck worked in the College of Agriculture, first as a stenographer in Ag. Extension and later in the Department of Dairy Science. In 1962 she moved to Earth and Mineral Sciences as secretary to Dr. Howard Palmer, then head of fuel science. Three years later, she assumed secretarial duties in the Mineral Constitution Lab.

Mrs. Brobeck lives in Pleasant Gap and has three sons, William Earl, Kenneth Barry, and Richard Allen.

Reuben W. Adams, a residence hall project worker with Housing and Food Services since 1971, retired Jan. 26.

Mary M. Cramer, a guest room attendant at the Nittany Lion Inn since 1972, will retire Jan. 31.

Esther M. Hawkinson, a secretary in the Office of the Vice President for Research and Graduate Studies, will retire Feb. 1. She was a member of the staff from 1948 to 1952 and from 1971 to 1982.

Promotions

Staff Exempt

M. Patricia Burns to programmer in Management Services.

Staff Non-Exempt

Barbara J. Horvath to research technician at Hershey.

Debra L. Riley to research technician at Hershey.

Clerical

Marian R. Blair to secretary B in Agriculture.

Kathleen P. Houser to secretary C in Agriculture.

Diane S. Kemmerer to customer service clerk A in Bookstore.

Millie J. Landis to secretary B at Capitol.

Technical Service

James F. Sosa to maintenance worker (general) B at Hazleton.

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From the Press

Fusarium: Diseases, Biology and Taxonomy, edited by P.E. Nelson, T.A. Toussoun and R.J. Cook. 457 pages. \$39.50.

Fusarium has been known to science for over 165 years. Work in almost every discipline of biology — including genetics, physiology, pathology, anatomy, ecology, soil science and plant breeding — has been done on this genus; yet Fusarium diseases continue to be among the most important plant diseases and are a more significant factor in agricultural production now than at any time in the past.

This volume brings together in 40 papers by 60 authors what is currently known about the pathology, ecology, genetics, cytology, physiology, biology and taxonomy of this genus. Each area is covered by several experts.

The editors are Paul E. Nelson and T.A. Toussoun, both professors of plant pathology at Penn State, and R.J. Cook, a member of the USDA Cereal Disease Laboratory at Washington State University.

Three other faculty members from the Department of Plant Pathology, contributed to the book: Professor Herbert Cole, Jr., Associate Professor Stanley P. Pennypacker, and Research Associate Patricia L. Sanders. A fourth member of the department wrote the Foreword — President John W. Oswald.

In his foreword, Dr. Oswald notes that during the nurturing of this book, he was "the one individual in whom all the strains of connection come to focus."

As a graduate student at Berkeley, Dr. Oswald wrote his thesis under W.C. Snyder, who finished this book's Introduction shortly before his death. Through Professor Snyder and his colleague, Dr. H.N. Hansen, he became imbued "with a conviction, indeed an excitement, about the importance of the fungus genus *Fusarium*."

When, after service in World War II, Dr. Oswald returned to Berkeley, he resumed his research and eventually became head of plant pathology there. Among the students at Berkeley who worked at various times with the Hansen-Snyder-Oswald trio were James Tammen (formerly head of Penn State's plant pathology department and now dean of agriculture at Minnesota), T.A. Toussoun, and Paul E. Nelson.

"The next decades brought a variety of dispersed experiences to all of us away from this focal point in California," Dr. Oswald continues, "but by the 1970s destiny had brought us all to Penn State, still fascinated by *Fusarium*, which was by then the priority concentration of Drs. Toussoun and Nelson." These two men, Dr. Oswald points out, have organized and operate the University's Fusarium Research Center and in 1976 published the widely used *Pictorial Guide to the Identification of Fusarium Species*, now in its second edition.

And Dr. Oswald writes: "Let me conclude this foreword with a personal word of gratification that the dormant yet vital research interests of a pre-occupied university president were energized by the opportunity of commending this volume to the eager attention of dedicated experts in this field. This project thus became the ultimate intersection of a number of lives and careers who had already touched in another place in other years."

Obituary

Frances Sharkey was a file clerk at the Hershey Medical Center from 1974 until her death on Jan. 17. She was 56.

1982-83 Leaves of Absence

College of Agriculture

Karen S. Boran, associate county agent (Huntingdon), to complete a master's degree in Agricultural Education at Penn State.

David M. Cox, associate county agent (McKean), to work toward a master's degree in the College of Agriculture at Penn State.

Frederick G. Ferguson, associate professor of veterinary science, to develop additional research competencies in the area of immunobiology, to publish a backlog of research data and to collaborate on planning and organizing an international meeting on swine immunology.

Hays B. Gamble, professor of agricultural economics, to work with the Western Pennsylvania Conservancy on a study of rural land use. This is a continuation of the Conservancy's research on the "Future of the Pennsylvania Countryside," a project which examines trends in land and resource use, demographics, and economic growth and development in rural Pennsylvania in the year 2000.

David H. Gordon, associate Extension agent (Jefferson), to pursue a master's degree in communication from Clarion State College.

Glen W. Goss, associate professor of agricultural economics and director of Agricultural Communications, to participate in resident instruction and Cooperative Extension activities in the College of Agriculture at the University of Florida.

Hannon B. Graves, professor of poultry science, to work at the University of California, Santa Cruz, in the area of behavioral biology.

Mary Hoffman-Miller, associate Extension agent (Cameron), to pursue a master's degree in Extension education at Penn State.

David R. Mackenzie, professor of plant pathology, to investigate the potential for collaborative research efforts between various federal agencies and the Agricultural Experiment Stations for the development of a National Crop Loss Assessment System.

Jeffrey W. Mixer, associate Extension agent (Snyder), to pursue a master's degree in Extension education at Penn State.

James H. Mortensen, associate professor of agricultural education, to serve as Senior Scholar on the faculty of education at Ain Shams University, Cairo, under the Fulbright-Hays Educational Exchange Program with Egypt.

Eva J. Pell, associate professor of plant pathology, to study methods necessary to freeze fracture plant material for electron microscopy analysis of cell membranes and to use this technique to study membranes of potato protoplasts from divergent germplasm.

John W. White, professor of floriculture, to do research in the area of energy conservation in the greenhouse at the Levin Horticultural Research Center in New Zealand.

College of Arts and Architecture

Roger N. Cornish, associate professor of theatre arts, to devote an extended period of uninterrupted time to dramatic playwrighting.

Anthony Cutler, professor of art history, to continue research into the technical aspects regarding the production of late antique ivories to define the relationship between technique and style, i.e. between the objectively verifiable data already collected and the observations concerning form that have dominated the study of ivory for more than 70 years.

Anne A. Gibson, associate professor of theatre arts, to study the methods of practicing professional designers and explore the techniques of theatre craftsmen in New York. She will follow and photographically record at least one production from the studio through the shops and to its opening.

Robert W. Ott, associate professor of art education, to study art education training formations influencing museum education on a cross-cultural basis.

Wladyslaw A. Strumillo, associate professor of architecture, to prepare a study on physical changes to the urban fabric of Warsaw, Poland, brought about by the hostilities of World War II. The study will deal with the interrelationship of physical space and human conflict.

Behrend College

Dean R. Baldwin, assistant professor of English, to do a critical study of the work of H.E. Bates, author of *Love for Lydia*.

John K. Gamble, Jr., professor of political science and head, Social and Behavioral Sciences, to examine what determined countries' tendencies to participate in or avoid multilateral treaties entering into force between 1921 and 1980. The research differs from virtually all other work in the field because the principal focus is those aspects of the treaties that might be changed with relatively small political/diplomatic costs. The research is likely to contribute to the development of strategies that will increase participation.

Chester L. Wolford, assistant professor of English, to continue previous work on American author Stephen Crane, to be published by the University of Nebraska Press under the title, *The Anger of Stephen Crane*. His new study will include other major American authors of the late 19th and early 20th centuries.

College of Business Administration

John D. Daniels, professor of business administration, to continue research inquiries on the cross-national management groupings of multinational enterprises.

Henry P. Sims, Jr., professor of organizational behavior, to investigate corporate human resource strategies in U.S. corporations with emphasis on the structure, process and leadership of self-management work groups.

Capitol Campus

Robert J. Lesniak, associate professor of education, to complete a handbook on resource management for practitioners and researchers, continue research on the establishment, change and management of learning environments and prepare a synthesis of the various approaches.

William J. Mahar, assistant professor of humanities and music, to prepare a comprehensive history of American music from the Colonial period to the present.

Vedula N. Murty, professor of mathematics and statistics, to develop a training manual for basic courses in experimental design for process industries. He will work with engineers at a major manufacturing plant to gather data.

College of Earth and Mineral Sciences

Ronald F. Ahler, professor and head of Geography, to conduct comparative research on the geographical consequences of the evolution of intercommunications technologies (postal, telegraph, telephone, telex and computer-mediated systems) in Sweden and the U.S.

Richard Hogg, professor of mineral processing, to conduct research and participate in the graduate program in applied surface chemistry at the University of Melbourne, Australia.

Allan L. Rodgers, professor of geography, to study regional economic development in the Mediterranean region of southern Italy. His goal is to obtain an empirical base to help evaluate current theories of regional economic development and inter-urban diffusion.

John E. Tilton, professor of mineral economics, to conduct research on Western European policies for securing strategic and critical minerals, particularly those from southern Africa. Professor Tilton's leave will be spent in Paris.

College of Education

Eunice N. Askov, professor of education, to review critically the literature and research on adult literacy in addition to analyzing components of successful programs in adult education. Her study will be used to strengthen the knowledge and research base for Penn State's new program in Adult Education.

Donald B. Keat II, professor of education, to enhance his expertise in child counseling and therapy by visiting a few select centers and experts utilizing multimodal therapy strategies with children.

Patrick D. Lynch, professor of education, to study and analyze the policies and actual treatment of students' rights in so-called "civil law nations" as provided by government institutions as compared to the United States. His research will be conducted in Brazil and Venezuela and with the Organization of American States.

Susan F. Weis, associate professor of home economics education, to work with the Washington-based American Vocational Association to examine the processes whereby initiatives are translated into policies at the federal level for vocational education. She will focus on AVA efforts on reauthorizing legislation and the means used nationally to disseminate information for vocational education planning.

Frederick G. Welch, associate professor of vocational education, to investigate the cooperative vocational education approaches used in the Republic of China. He will help develop in-service and pre-service programs for teachers in cooperative vocational education at the National Taiwan Normal University where he has been invited to serve as a visiting professor.

College of Engineering

John L. Brown, Jr., professor of electrical engineering, to serve as a Prince Visiting Scholar in the School of Engineering, Arizona State University. His primary activity will be to continue and extend his investigations of multi-channel signal sampling.

Anthony J. Ferraro, professor of electrical engineering, to direct long path propagation and detection studies as part of his research effort to use the natural current system which flows in the ionosphere as a gigantic radio transmitting antenna at very low frequencies and extremely low frequencies. Professor Ferraro's leave will be spent in Puerto Rico, at the Arecibo Observatory, the principal research facility of the National Astronomy and Ionosphere Center.

James P. Ingilio, professor of industrial engineering, to conduct research in the areas of Goal Programming and Multiobjective Optimization. Part of his leave will be spent at the International Institute for Applied Systems Analysis in Austria and part at the Center for Operations Research and Econometrics, Université Catholique de Louvain in Belgium.

M. Albert Vannice, professor of chemical engineering, to conduct research on a nuclear resonance technique called "magic angle" spinning, and to apply it as a characterization technique to a new family of metal catalysts. Research in this area has future potential in many chemical and petroleum processes, especially those involved with the conversion of coal to clean fuels and chemicals. Dr. Vannice will be at the Centre National de la Recherche Scientifique Laboratory, Orleans, France.

College of Health, Physical Education and Recreation

Jerald E. Elliott, associate professor of recreation and parks, to study the behavior of older citizens as they relate to outdoor activities in national forest parks and historic sites. Research results will be available to residents of nursing homes and in institutional settings.

James L. Hodgson, associate professor of applied physiology, to do research at the Brookhaven National Laboratory in N.Y. to acquire an analytical technique which may be valuable in metabolic studies in humans.

Ronald A. Smith, associate professor of physical education, to complete research on the origins and rise of American college athletics and the creation of the National Collegiate Athletic Association.

College of Human Development

Frederick R. Eisele, associate professor of social policy, to expand expertise in social policy and community development into international areas. The focus is on policy for dependent elderly in less developed countries, particularly India.

Bernard G. Guernsey, Jr., professor of human development, to further his understanding of community psychology, administration of educational institutes/schools, and methods of establishing and running cooperatives or other self-supporting educational organizations.

Helen A. Guthrie, professor of nutrition, to continue research on the development and evaluation of alternative methods of assessing dietary intake and nutritional adequacy. Dr. Guthrie will also study factors influencing infant feeding practices in the Philippines and alternative strategies to encourage nutritionally and culturally appropriate practices.

Laura S. Slims, associate professor of nutrition in public health, to pursue in-depth study and research in the area of public policy, focusing on selected, current nutrition/health programs and issues.

Graham B. Spanier, professor of human development and sociology, to prepare a series of articles and essays on the changing American family, using demographic data collected by the U.S. Bureau of the Census in 1980.

College of the Liberal Arts

John B. Dalbor, professor of Spanish, to research a semantic and syntactic categorization of selected Spanish verbs. Included, among other properties, will be the surface syntactic environment of these verbs, such as what type of subjects precede them, what kind of complements and prepositions follow them, and the semantic or thematic meaning when they are reclassified.

Robert B. Eckhardt, associate professor of anthropology, to measure the role of genetic factors in human adaptation to hypoxia (oxygen shortage) at high altitude.

Robert S. Friedman, professor of political science, to study the role played by organized research units at American universities through extensive interviews with directors and administrators of such units; and to examine questions of the nature and quality of research, funding and administrative questions, and relationships between research units and regular university departments.

George M. Guthrie, professor of psychology, to work on an ongoing project in the Philippines dealing with maternal feeding patterns and malnutrition in infants and children. This research is an example of behavioral medicine or health psychology, a new emphasis in psychology which is concerned with changing lifestyles and habit patterns in ways that will prevent illness and promote physical well-being.

Henry W. Johnstone, Jr., professor of philosophy, to work at Bryn Mawr College with Professor Richard Hamilton, editor of the Bryn Mawr Commentaries. Professor Johnstone has been asked to contribute to this series a grammatical commentary on the Presocratic Philosophers.

Thomas J. Knight, professor of American studies and history, to work with the Organization for Economic Cooperation and Development team, with headquarters in Paris, to conduct a survey of technology assessment activities in member countries during the 1981-83 period. Dr. Knight, who has published one book on technology assessment and completed another, will work with the team to help summarize the research and prepare a report to member governments. After finishing his activities in Paris, Dr. Knight will begin writing a book on technology assessment in West Europe to complement his previous work on the United States and the developing countries.

Frank J. Landy, professor of psychology, to prepare a new graduate level course devoted to the cognitive and developmental roots of motivation and intentional behavior. He will also spend part of his time in an Australian university learning about the work settings, organizational climates, and styles of labor management relations in the Australian culture.

Joseph Paternost, professor of Slavic languages, to study obituary poetry which appears in the Slovene Language Press in the U.S. and Yugoslavia. A comparison of this poetry in the two countries will reveal important differences in the ethnic orientation of those Slovenes who remained in Yugoslavia as opposed to those who emigrated to the U.S.

(Continued on page 7)

(Continued from page 1)

work?

— Who are the faculty members responsible for providing the experiences of general education? and

— What strategies can the university use to re-examine the curriculum systematically?

Taking for his theme the role of general education in the land-grant tradition, Provost Eddy pointed out that the "three keys to land-grant education are found in (1) the nature of the public to be served; (2) the idea of higher learning; and (3) the overriding concern for informed citizenship."

Dr. Eddy noted, in connection with the first, that the original land-grant legislation does not contain the phrase, "sons and daughters of the working classes." Its author, Justin Smith Morrill, looking back in 1839, interpreted the new colleges' constituencies thus: "It was to be a liberal education for the industrial classes, and the professions also, and nothing less can be a legal compliance with the terms of the original act."

The use of the term "industrial classes" applied to "social no less than economic disparity," Dr. Eddy said. "Its use clearly established a special responsibility for the public education of American youth at all levels, including the collegiate, the primary and the secondary."

While classical education was not to be excluded, it was not to dominate. "The

Making a living vs. making a life

land-grant tradition came to represent a marriage of opportunity and quality such as the nation — and few other nations — had known before or would know later," Dr. Eddy said.

Noting that the proper preparation of free and active citizens has been a consistent concern of land-grant institutions, Dr. Eddy continued:

"In approaching general education, land-grant universities have attempted to tie together the purposes of 'making a living' and 'making a life.' The land-grant ideal clearly is the union of general and professional education not just in the same university but in the same classroom. The issue is not the end but the means: not why, but how. Thus it was claimed that all learning could be classified as liberal if it were taught as such. Thermodynamics, for example, could be the most liberating of studies if it were to be taught by a faculty member who respected learning in its broadest context. The haunting question, then: Does general education begin with the teacher or with the course content?"

Dr. Eddy summarized three diverse approaches made by land-grant universities to general education — CORE, SWEEP and SYNTHESIS. "CORE assumes that one can fill and keep contained a central cup of essential knowledge from which educated men and women shall drink. CORE is a mammoth dose of medicine which all healthy people must swallow gladly in order to preserve and promote life.

"SWEEP can be likened to an airplane ride over the landscape of knowledge with occasional dips in order to gain a closer view and, from time to time, stopovers at airports of special significance. SWEEP assumes that one ends the trip at least somewhat familiar with the topography of wisdom.

"SYNTHESIS is putting it all together — asking the right questions and encouraging at least some of the right answers. In our current parlance, SYNTHESIS is 'the bottom line.'"

A large measure of self-confidence plus a willingness to take chances has characterized those land-grant universities most successful in coping with general education, Dr. Eddy observed, concluding with several questions for the conferees.

General education . . . a beginning

"What then 120 years later do we mean by the 1982 version of 'a liberal and practical education of the industrial classes in the several pursuits and professions of life?' CORE? SWEEP? SYNTHESIS? What's here now? What comes next?"

Tracing the history of general education at Penn State itself was Dr. Lewis.

Noting that he arrived at Penn State only a couple of years after the publication in 1945 of *General Education in a Free Society*, sometimes known as the "Harvard redbook," Dr. Lewis recalled that document's impact on institutions of higher learning across the country.

At Penn State, President Milton Eisenhower in his inaugural address on Oct. 5, 1959, presented a list of goals similar to those in the "redbook" — "understanding of all the broad fields of knowledge . . . competence in communication . . . the ability to make critical judgments . . . an abiding commitment to the democratic way of life."

Efforts at implementing these goals were made by the Callenbach Committee, in the University Senate's Educational Policy Committee Report, and later by the Core College Committee. The first mandated University-wide requirements for general education (BDR II) resulted from a report by an ad hoc committee chaired by Richard Cunningham and Victor Dupuis. The general aims for baccalaureate degree programs were defined: General education should extend the student's horizons and complement the development of his expertise in a professional or academic discipline. . . . it is intended as an exploratory and enriching unifying base for the educational experience of all students enrolled in the university. . . . the student should be assisted to identify the limits of his own knowledge [and to develop] a type of intellectual discontent urgent enough to move him constantly to increase his understanding and wisdom."

Vested interests . . . have regularly slowed down . . . each attempt.

Lamenting the abandonment of a requirement for a course on technological concepts, Dr. Lewis pointed out that this "is rather typical of what has happened all too often to attempts to establish a common educational core at Penn State. Vested interests, professional demands, an inability to agree on definitions have regularly slowed down or even forced backward steps after each attempt."

Dr. Lewis concluded: "I believe that Penn State undergraduate education should be seen not as a series of discrete and individual programs aimed only at qualifying the student in a specific occupation — and here I speak not only of the professional colleges but of the Core Colleges where all too often the faculty tries to produce students in its own image . . . but as a process that prepares our students . . . as citizens with an understanding of the world around them and an ability to make the right decisions for the future of that society."

Required "general education" courses for college students can help unify a nation grown too specialized and fragmented, Dr. Gross told the delegates.

"General education is one of the most important issues in America today because our moral, intellectual, social and

cultural center has not held," Dr. Gross, continued.

"We have created a society whose citizens no longer hold anything in common. The moral dimensions of our society have grown dangerously polarized."

Dr. Gross said college teachers can no longer assume that students share a common body of knowledge, as they used to. Part of the blame lies in a "computerized, audio-visual culture" that seems to devalue reading and writing. It also rests with educators who dismissed "rigid" curriculums to placate protesting students of the sixties.

A general education "core," Dr. Gross said, should require courses in foreign languages and cultures — "so we can deal effectively with the foreign crises that will inevitably affect us."

It should also focus on technology, "so we understand its ethical, social and political implications . . . we have come to recognize the danger in leaving crucial decisions to specialists."

Because of economic pressures, he said, the emphasis on career education is greater today than ever before.

"Inevitably, the 'major' becomes critical for students who want direct preparation for a vocation. The broad considerations of general education seem vague and without value for a student looking for that first job."

The emphasis has shifted so much, however, that even those of us in the most specialized fields have become disturbed that our students will never go beyond their first job — that they will be trapped because we have trained rather than educated them."

Dr. Gross noted that employers, however, are now asking for "the liberally educated person who can adapt to the one element that will dominate all of our lives — change."

Since Harvard University instituted its general education reforms in 1978, he said, many colleges and universities are now doing likewise.

"The search for reform through general education has a special urgency that results from 20 years of fragmentation in education and society and that anticipates a period of technological complexity and international responsibility never confronted before," he concluded.

And on Saturday morning

Despite some of the worst weather of the winter, a large and obviously committed audience turned out for the final plenary session of the Conference on Saturday morning.

Summing up the deliberations of the eight panels which had been held on Friday afternoon and earlier the same morning — and adding some opinions and questions of their own — were Carol Cartwright, Conference co-chairperson and acting associate dean, CES; Jerry B. Covert, associate professor of biology; Hazleton, Caroline D. Eckhardt, associate professor of English and comparative literature; Charles L. Hosler, dean, Earth and Mineral Sciences; Robert E. Dunham, vice president for undergraduate studies; and Leo H. Takahashi, assistant professor of physics. Beaver, substituting for a snowbound Theodore E. Kiffer, director of General Education in Liberal Arts.

Dr. Covert, chairman of the Senate's BDR III Subcommittee, addressed the question of objectives and assessments. In

defining an educated person, he suggested three areas of necessary competency:

1) Skills for advancing learning — reading, writing, computing and reasoning;

2) Distributive studies, including the arts, humanities, sciences and social sciences; and

3) Integrated learning, an often neglected area and the one most difficult to achieve.

While most people would agree that these areas are inseparable, Dr. Covert said, reaching agreement on a curriculum to provide them is where the real fight begins. "And if agreement is reached on that the next problem is finding a way to get students to use the curriculum."

Stressing that faculty should provide an atmosphere of general education in every course they teach, Dr. Covert said that a task force is currently inquiring into types

Is general education to be viewed as a layer cake model?

of available tests to measure the outcomes of general education. Such tests would be given both freshmen and seniors, and he said he hoped testing could begin in the Spring.

Dr. Eckhardt, assigned the topic of "content and connections," had two proposals. The first was "redefining of general education as the responsibility of all of us, not of separate general education units and courses." As an example, she pointed to the Department of English, which cannot teach writing if writing does not count in other courses. In this context, she also deplored the use of machine-grade examinations.

Her second proposal was for the strengthening of international education in the curriculum, and she expressed her concern over the lack of language training at the University. Every course should include an international component, she urged.

In an ensuing discussion, Dr. Dunham suggested that if international studies are crucial to each discipline, it was incumbent upon the professional colleges to include language courses among their requirements.

"Dr. Robert Schmalz, professor of geology, speaking from the floor said that it was easier to teach specialized courses and if the University were going to involve all of its faculty in general education, incentives would be needed."

Dr. Dunham, in discussing articulation in the curriculum and the professions, called delegates' attention to the fact that high schools across the country are also reexamining general education in the context of their own missions.

"For colleges and universities to examine general education in isolation may be counterproductive," Dr. Dunham said.

"What is the relationship between the general education requirement and requirements for the majors?" Dr. Dunham asked. "Is general education to be viewed as a layer cake model forming the first two years after which we will add on requirements for the majors?" Dr. Dunham also questioned whether students regard general education as important. "It certainly has no relationship with major requirements or professional areas," he said, suggesting that intra-university articulation is as important as articulation with the high schools.

"Perhaps," he concluded, "the answer is jointly to agree on the goals of general education and then each segment in the high school, college major or professional school would design toward those goals, and be concerned about their outcomes."

All faculty members bear a responsibility for contributing to general education, even in highly specialized

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programs. Dean Hosler said, in speaking on the faculty role and organization. Faculty must be well read and knowledgeable people. "I would prefer to think that the true scholar sees continuity in all nature," he stressed.

"How can the student take work seriously without seeing how it fits into the world at large?" Dean Hosler asked. "As we push back the frontiers of highly specialized areas of interest — and pursuing knowledge is certainly one of the major roles of the university in addition to general education — we must never lose sight of the fact that the overwhelming majority of our students will go on to apply this knowledge. . . . They can use the knowledge well only to the extent that it is put in the proper context, not just the technological context but in its place in history and the culture of man."

Dean Hosler also expressed the view that the University can go too far in the codification of the reward system, that what is needed is more flexibility to recognize wider variety of talents."

Dr. Kiffer's paper on organizational change called for a balance of efforts among faculty members and mutual respect regardless of missions.

If we view training for the professions as the most important undergraduate mission and hope students will somehow become generally educated just by spending four years in an academic community, we fail as an educational institution. Dr. Kiffer wrote. On the other hand, we also fail if we insist on disrupting departmental professional efforts by somehow insisting that all faculty in all departments become involved in general education offerings.

Faculty who do participate, however, should be adequately recognized for their efforts, Dr. Kiffer added.

Dr. Takahashi, commenting on the panel discussions in which he was involved, said that a recurring theme was that for the system to work, "consistent,

concerned, personal advising" was a necessity.

Dr. Cartwright delivered the last address. She informed conferees that by February edited transcripts of the

The true scholar sees continuity in all nature.

Conference, along with a 30-minute videotape of selected portions, will be made available to the Colleges and Campuses.

In the coming weeks, Dr. Cartwright said, "we will essentially be asking one major question, and that is, What is higher education? Is it the education of a person or the equipping of that person with specific skills, usually those wanted in the marketplace?"

This question has persisted through the ages, and when the universities would not provide the technical training individuals desired, on the grounds of exclusivity, other agencies stepped forward to take their place. In Great Britain, for example, the great scientific minds of the 20th century were educated not at the universities but by technical institutes. Non-job-oriented education has usually given way, Dr. Cartwright commented, because it simply could not meet the needs of rising business and technical fields.

Universities are often unwilling to yield to the demands for job training because it divests them of their role of higher education and scholarship.

But Dr. Cartwright continued, "Higher education has been, and still often is perceived as a means of getting ahead in society." Universities have accommodated to this view by offering status to those they technically trained — receiving, in

turn, credit and funding from state legislatures.

Attempts to recreate the ivory tower will fail, Dr. Cartwright believes. "We will have to come to grips with the marketplace or others will do it for us." But adapting to the demands of the marketplace need not mean capitulation. "We can develop a humanist with computer skills. . . .," she said. "We can develop a pre-school teacher who is fluent in French."

Dr. Cartwright foresaw a new synthesis — out of which the university provides services as they are needed but also pursues knowledge.

Dean Paulson

(Continued from page 1)

of every five jobs now depends on foreign trade.

American farms allocate one out of every three acres to producing grain for export. America's defenses are linked by security treaties to Europe with NATO; to Southeast Asia by SEATO; to Central and South America, by OAS.

There are few serious human problems which we face as a people that are not internationally connected," Dean Paulson said, citing examples ranging from crime and food supplies to the environment, the monetary system and the use of the seas.

"The price of international ignorance is national decline," Dean Paulson said, pointing out that there are currently more teachers of English in the USSR than there are Americans studying Russian in the U.S.

Dean Paulson concluded by propounding the following questions for the conferees to consider:

— Fewer than one out of five of Penn State's graduates takes a foreign language. Is it possible to widen this window on other cultures?

— Are we prepared for a predicted doubling of the number of foreign

students at Penn State?

— Are we treating foreign students only as sources of tuition revenue or as TAs and not as cross-cultural representatives who could enrich the curriculum?

How do we become more internationally-oriented on the campus? — If faculty development is fundamental to general education, what incentives do we have to urge an international obligation upon our faculty?

Special Lincoln program on Feb. 11

A concert by University musicians will reach a statewide audience when the Pennsylvania Public Television Network (PPTN) presents a special Lincoln commemorative program live from Eisenhower Auditorium on Thursday, Feb. 11, from 8 to 9 p.m.

The concert, which will be broadcast live simultaneously by all seven PPTN members, will feature Penn State's Symphony Orchestra, Symphonic Wind Ensemble and Glee Club.

The works to be performed are "Fanfare for the Common Man" and "Lincoln Portrait" by Aaron Copland, "Testament of Freedom" by Randall Thompson and "A Lincoln Address" by Vincent Persichetti.

Smith Toulson, associate professor of music, will conduct the entire concert, and Robert Trehy, professor of music, will narrate the two Lincoln pieces.

The program is being produced by William C. Miller, assistant director for the arts at WPX-TV. He explains that the concert will be open free to the public, offering area residents a rare opportunity to view a television program in production.

Television director for the production is Sandra G. Thomas.

Leaves of absence

(Continued from page 3)

Warren C. Robinson, professor of economics, to study the effects on population growth of the recent reduction of policy in developing countries. The priority policy to emphasize urban-industrial investments, but dissatisfaction with the results of this approach has led to the greater current focus on the rural-agricultural sector.

Daniel Walden, professor of American studies, to study technological influences as part of the Americanization of immigrants to the United States, as portrayed in the works of several ethnic writers (Saul Bellow, Joseph Heller, Richard Wright, Ralph Ellison, Pietro DiDonato, and Mario Puzo). This project could open a new way of looking at human experiences in society by tracing the paths by which technology has acted on ethnic authors and thus found its way into our culture by way of their writings.

Edward J. Walsh, associate professor of sociology, to focus on the development of the citizen protest in the wake of the TMI accident, completing the analysis of data obtained from a substantial research project.

College of Science

Charles E. Antle, professor of statistics, to conduct research in biostatistics and Bayesian methodology at Stanford University and Imperial College, London.

Gregory I. Grefyoff, associate professor of chemistry, to work at the Catholic University of Leuven, Belgium, in the general field of heterogeneous catalysis by zeolite supported metals. The second half of his leave will be spent in an industrial research laboratory also working in heterogeneous catalysis.

Jonathan Goldstone, associate professor of computer science, to work at the University of Southern California on the applications of formal language theory to database theory and on the applications of formal languages to software engineering.

Gordon A. Hamilton, professor of chemistry, to become more knowledgeable about metabolism and about the effects that various hormones (especially insulin) have on metabolism, working in the United Kingdom and Europe.

Lloyd M. Jackman, professor of chemistry, to gain experience in two new and important areas in nuclear magnetic resonance spectroscopy with a view to making these new techniques available in the Chemistry Department at Penn State.

Carl S. Keener, associate professor of biology, to work at the Harvard Herbarium preparing a description of all varieties of buttercups along the eastern coast of this country. The distribution of buttercups reflects the stress that man's activities place on the land, so this study has both practical and theoretical significance.

Bruce R. Kendall, professor of physics, to study the phenomena occurring on the surfaces of satellites in high-altitude orbits. Some of the results should be applicable to future Space Shuttle experiments.

Gerard Lallement, professor of mathematics, to conduct research — in Paris — on the algebraic theory of semigroups and its applications to computer science and linguistics.

Richard B. Mansfield, associate professor of mathematics, to do research in pure mathematics and logic to develop new methods in applied mathematics, especially numerical analysis, at the Courant Institute.

Thomas K. McCubbin, Jr., professor of physics, to work at the Pierre and Marie Curie University using what is probably the world's most advanced Fourier transform spectrometer. (A Fourier transform is a mathematical procedure, accomplished with a computer, by means of which the output of an optical instrument called a Michelson interferometer becomes a spectrum.)

Ganapati P. Patil, professor of mathematical statistics, to do research and writing in statistical ecology and distribution theory.

Allen T. Phillips, professor of biochemistry, to do research at Purdue University to learn many of the new techniques of molecular genetics.

Douglas H. Sampson, professor of astrophysics, to conduct research at the Los Alamos National Laboratory in the area of calculation of atomic data needed in the study of low density, high temperature plasmas (ionized gases) such as occur in astronomy and in fusion energy research.

William C. Waterhouse, professor of mathematics, to conduct research in the area of algebraic geometry at Harvard University.

Boris Weidelfer, professor of mathematics, to conduct research on several areas of abstract algebra at Harvard University.

University Libraries

Ronald L. Filippelli, associate professor of labor studies and head, Historical Collections and Labor Archives, to do research at the National Archives and several other repositories in the U.S. and Italy on the role played by the American Federation of Labor in the reconstruction of the post-war Italian labor movement. The context will be the role played by non-governmental institutions in the making and carrying out of American foreign policy.

Commonwealth Educational System

Harold W. Auran, associate professor of history at Hazelton, to conduct research for a book-length study entitled "The Culture of Work: Occupation and Values as Exemplified by the Anthracite Miner," a study which is part of a long-range research program of a comprehensive history of the anthracite coal region.

Peter J. Behrens, assistant professor of psychology at Allentown, to trace the influence of the doctoral program in Psychology at Leipzig University in Germany on the first American programs established in the late 19th century at Harvard and Johns Hopkins Universities.

Lawrence S. Cote, assistant director of Continuing Education at Radnor, to complete a substantial part of his doctoral program in Higher Education administration at Temple University.

George W. Franz, assistant professor of history at Delaware County, to prepare a book-length study entitled "Crossroads Communities: Mobility, Landholding, and Community Structure in the Pennsylvania Backcountry, 1720-1790." The major part of the work will be done as a visiting scholar at the Beutherian Mills-Hagley Foundation in Delaware.

Robert E. Ginsberg, professor of philosophy at Delaware County, to produce a book-length study, illustrated with photographs and reproductions, on the "Aesthetics of Ruins," using the phenomenological method of analysis balanced by the history of ideas.

Ernest A. Harrison, Jr., professor of chemistry at York, to rejoin the National Institutes of Health Medical Chemistry Section to further expand his medicinal chemistry horizons by participating in the program of organic synthesis and subsequent use of enantiomeric analogues and antagonists.

Gary L. Mullen, associate professor of mathematics at Shenango Valley, to continue research in polynomials and matrices at the Department of Mathematical Sciences at Clemson University.

Roy E. Myers, associate professor of mathematics at New Kensington, to expand his current work in computer graphics by working at the University of Pennsylvania, the University of Pittsburgh, St. Olaf College (Minnesota) and UCLA.

Sally A. Small, associate librarian at Berks, to complete her Ph.D. in Business Administration at Temple University. Mrs. Small will study the process of strategic management decision-making and the impact of the implementation of those decisions, applying this knowledge to problems associated with human resource management of libraries. She will also be able to teach courses and workshops in management.

Roger R. Zeller, associate professor of art education at Altoona, to travel and study ceramic forms and traditions over the past five years. Coupled with the recent establishment of a personal studio for ceramic production, the leave will provide Professor Zeller with the opportunity to develop further his ceramic creativity.

From the Trustee Docket

Conti and Book

(Continued from page 1)

Active in many civic and professional organizations, Mr. Conti is an advisory board member at Virginia Polytechnic Institute, Johnson and Wales College in Rhode Island and Fairleigh Dickinson in New Jersey. He also is a member of the Purdue University School of Consumer and Family Sciences Advisory Council.

He is a past president of the Pennsylvania Restaurant Association. Also past president of the Penn State Hotel and Restaurant Alumni Association, Mr. Conti has been a frequent guest lecturer in Penn State hotel and motel administration classes.

He has been a member of the Board of Trustees since 1974. He and his wife, Pat, have two sons, Walter Jr. and Michael.

Mr. Book is past president of the Penn State Alumni Association and also of the Greater Harrisburg Chamber of Commerce. He joined the Board of Trustees in 1977.

A 1954 graduate of Penn State, he is

past president of the Penn State Hotel and Restaurant Alumni Association. He serves on the board of trustees of the Harrisburg Area YMCA, and recently was appointed chairman of the Travel Industry Association of America.

Mr. Book is chairman of the Milton S. Hershey Medical Center Advisory Committee. He also serves on Penn State's Capitol Campus Advisory Board.

In 1981, Mr. Book was the College of Human Development's Alumni Fellow at Penn State. Each year, one outstanding alumnus is chosen from each college to return to campus and share his or her professional experiences with students through the Alumni Fellows program.

In 1974, Mr. Book was elected to the University's Alumni Council and appointed to the Penn State Fund Council. In 1975, he was appointed to the Alumni Council's executive board, and served as President of the Alumni Council from 1977 to 1979.

He and his wife, Inga, have three children, Sandra, Frederick and Edward Jr.

Private support up from last year

Private support to Penn State from all sources totaled \$6,815,764 for the six months of the fiscal year, July to Dec. 31, 1981, the Board of Trustees was told in a report from Lawrence G. Foster, president of the Penn State Fund Council.

This was a 28 percent increase over the same period in 1980, and represented a total of 20,692 gifts to the University.

"Especially encouraging," Mr. Foster told the Trustees, "was the 97 percent increase in gifts from corporations and businesses, which represented nearly \$3,320,000 of the total amount received by the University."

The newly expanded Fund Council, which includes 45 of Penn State's leading alumni, has embarked upon a creative new program to increase private giving to the University. Mr. Foster told the Trustees. The Council has been organized into three sub-committees, Alumni and Friends, Corporations and Foundations and Planned Giving, he said, and all are now actively engaged in a work plan developed in recent months.

These efforts are being coordinated with the University's Office of Gifts and Endowments and the individual fund raising efforts of the various colleges within the University, Mr. Foster said.

"One of the Council's major tasks is to convey to Penn State's nearly 230,000 alumni the pressing need for increasing

private giving to maintain academic excellence at the University," Mr. Foster said. "All too often we are misled by the notion that state support covers the major portion of our financial needs when it actually represents less than 28 percent," he said. "This is a concept we must change," he added.

"Penn State has research and educational programs of direct interest to corporations and businesses all over this nation," he said, "and our graduates are in thousands of key positions in these companies."

"We would like to develop a closer working relationship with many of these managements and explore areas of mutual interest. This is another of the Fund Council's priorities," Mr. Foster added. "We think it is good business for both the corporation and the University to work together toward mutual objectives."

Two graduate programs to be discontinued

The University will discontinue its graduate program in zoology and its Ph.D. program in linguistics.

Provost Eddy told the Trustees that the Head of the Department of Biology, the Dean of the College of Science, and the Graduate Council had recommended closure of the master's and doctoral programs in zoology.

"Enrollment in the zoology option has been declining for several years," Dr. Eddy said. "Students appear to be more interested in the interdisciplinary biology programs, such as ecology, plant physiology and plant genetics."

Students currently enrolled in zoology graduate programs will be permitted to complete their degrees, he added. The biology department will continue to offer the intermediate and advanced courses in zoology required by some of the other graduate majors within the University.

The closure of the Ph.D. program in linguistics had been recommended by the linguistics program faculty, the Liberal Arts Committee on Planning and Budget, the Dean of the College of the Liberal Arts and the Graduate Council, Dr. Eddy noted.

The master's program in linguistics will continue to be offered.

Under Graduate School policy, it will be possible for doctoral students to develop special interdisciplinary Ph.D. programs in linguistics-related areas, Provost Eddy said.

Committee on Educational Policy views research, graduate studies

In a discussion among members of the Committee on Educational Policy on the significance of research at the University, emphasis was placed on the critical nature of ties between research and graduate studies.

Dr. James Bartoo, dean of the Graduate School, noted that more cooperation is needed among Pennsylvania's colleges and universities with respect to facilities such as libraries and laboratories.

He also observed that funding for research and graduate study is "in a state of flux" on both the national and state levels and is expected to decrease, with

that during the past six years, this review process has shown Penn State to have "a half dozen programs that are the best in the nation, and another dozen that are in the nation's top two or three."

Penn State currently has about 6,300 graduate students. Of these, some 2,350 are supported on assistantships, about 1,200 are teaching assistants and the others are engaged in research or other activities.

"About 40 percent of the graduate students at University Park are supported on assistantships," Dean Bartoo said.

"Another 2 percent are supported on the

The following statement was made by University President John W. Oswald during his monthly report to the University Board of Trustees.

In September, 1981, Governor Thornburgh indicated that a combination of federal budget reductions and business tax cuts approved by Congress would have a serious impact on Pennsylvania's state budget this year. One major action was to request a one-percent across-the-board reduction in all state general funds appropriations for this fiscal year.

1981-82. According to the Governor, such action is "the fairest, most even-handed way in which we can adjust in the short run to federal budget reductions."

The Pennsylvania Legislature, in December 1981, passed the Report of the Committee of Conference on Senate Bill

No. 618, which approved the one-percent appropriations reduction. Every preferred and non-preferred appropriation, with the exception of subsidies to school districts, will be reduced by one-percent.

Penn State's appropriation reduction, therefore, will be \$1,338,000. This represents a difficult financial problem for the University, but we recognize the need for such action and appreciate the fact that the reductions were made in a fair and equitable manner.

We have concluded that an across-the-board reduction of all University general funds budgets is the most equitable way to comply with the State's action. Because we are making up part of the needed recycling amount from central sources, the across-the-board reduction of General Funds operating budgets will be 0.5 percent.

one exception: funding for defense-related basic and applied research.

"Penn State, because of its heavy emphases and traditional strengths in engineering, science, applied science and agriculture, has the opportunity to expand significantly in these areas, especially in the area of research," Dr. Bartoo noted.

In addition, the University will examine its internal policies to determine ways in which it might offset the expected funding reductions. In particular, he said, Penn State will focus on increasing opportunities for teaching assistants and research assistants.

"We also will continue our review of the University's some 120 graduate programs," Dr. Bartoo said, observing

University's work-study funds, while 1,200 graduate students have Guaranteed Student Loans totaling \$3.8 million and 75 have National Direct Student Loans totaling \$120,000."

Of Penn State's graduate students, 36 percent are women. Some 62 percent are Pennsylvania residents. About 22 percent are from other states than Pennsylvania, and about 16 percent are from foreign countries.

Following Dr. Bartoo's presentation, Dr. Samuel Smith, dean of the College of Agriculture, and Dr. Wilbur Meier, dean of the College of Engineering, commented on graduate programs in their colleges as part of the University's overall graduate studies effort.

1982 Distinguished Alumni named

Eight Penn State University graduates — all well known in their fields — have been named Distinguished Alumni of the University for 1982.

They join 241 other Penn State graduates who have received the Distinguished Alumni Award since it was established in 1951.

The award honors outstanding alumni whose personal lives, professional achievements and community service exemplify the objectives of their alma mater. It is the highest recognition bestowed on an individual by the University, and equals the honorary doctorate given by many institutions.

Penn State's Board of Trustees selected this year's recipients from among 81 nominees. The 1982 Distinguished Alumni are:

— Paul B. Barton Jr., '52, Reston, Va., geologist; U.S. Geological Survey National Center.

— George K. Davis '32, Gainesville, Fla., professor emeritus of nutrition, University of Florida.

— Franco Harris '72, Pittsburgh, humanitarian and pro football player, Pittsburgh Steelers.

— Owen E. Landon Jr., '51, Westport,

Conn., president, Landon Associates, Inc.

— Darlene D. Large '59, Leola, Pa., president and founder, HOINA Inc.

— William E. Leonard '36, Palm Desert, Calif., chairman, president and chief executive officer, The Parsons Corporation.

— George F. Page '52, Cocoa Beach, Fla., director of Space Shuttle Operations, Kennedy Space Center.

— Henry R. Smith Jr., '39, Pittsburgh, judge, Court of Common Pleas, Allegheny County.

Final plans approved for Wilkes-Barre project

Trustees approved final plans for the construction of two modular units to serve as classroom and laboratory facilities at the Wilkes-Barre Campus. They also approved plans for additions and alterations to the Commons Building there.

"These facilities are much-needed at our campus," said Director James H. Ryan. "There are 729 students using our existing accommodations, which were designed for approximately 500 students."

Ten Trustees elected to Executive Committee

Ten Trustees were elected to the Board's Executive Committee, which handles necessary business transactions in the intervals between regular meetings of the Board.

The ten are:

Quentin E. Wood, Oil City;
William K. Ulicher, Clearfield;
Roger A. Madigan, Towanda;

Obie Snider, Imle, Hershey;
Stanley G. Schaffer, Pittsburgh;
Helen D. Wise, Dover, Del.

Cecile M. Springer, Pittsburgh;
Barbara H. Franklin, Washington, D.C.; and
Howard O. Beaver Jr., Reading.

Walter J. Conti, Doylestown, the newly elected president of the Board of Trustees, will serve as an ex officio member of the Executive Committee. President Oswald also serves as an ex officio member.

Incumbents re-elected were: Patricia L. Rosdill, associate secretary; Mary Lou McCorkle and Grace T. Younginger, assistant secretaries; Robert A. Patterson, treasurer; and Richard H. Baker, assistant treasurer.

PS-23 legislation to head Senate agenda

A proposal to modify the section of PS-23 dealing with the evaluation of teaching effectiveness will highlight legislative action at the next meeting of the University Faculty Senate, Tuesday, Feb. 2, at 2:10 p.m. in Room 112 Kern Graduate Building.

The proposal to modify PS-23, from the Senate's Faculty Affairs Committee, was tabled during the Senate's last meeting, Dec. 15, because poor road conditions prevented Senators from nearly half the Commonwealth Campuses from attending the meeting.

Any proposal for revision to PS-23 passed by the Senate becomes a recommendation from that body to the President and must be acted upon by him before it becomes policy.

Also on the agenda for the Senate's Feb. 2 meeting is an informational report from the Faculty Affairs Committee on a recent Ombudsman Workshop.

The University's ombudsman program, overseen by the Faculty Affairs Committee, consists of 31 ombudsmen (see list). The ombudsmen are faculty members selected or elected for the purpose of conflict resolution; explicit details on the selection and responsibilities of ombudsmen may be found in University Policy Statement PS-76.

In another informational report, Marlowe D. Froke, general manager, Learning and Telecommunications Services, in the Commonwealth Educational System, will speak to Senators on "Instructional Materials Development and Alternate Instructional

System Design."

The Committee on Undergraduate Instruction will sponsor a forensic session on "Compulsory Physical Education." During the session, viewpoints will be presented by Committee member Robert Jennings Heinsohn, professor of mechanical engineering, and James G. Thompson, associate professor of physical education.

Presenting three reports will be the Committee on Committees and Roles, which will begin with an informational report on "Senate Membership."

The Committee's next two reports will call for legislative action. The first proposes modifications to the Senate's *Bylaws* regarding election to the Senate, absences and replacements (Article III, Sections 5 and 6). Essentially, the proposed modifications will put into writing what the Senate already practices.

The second report will propose modifications to the Senate's *Standing Rules*, Article III. This proposal is intended to make more consistent the standing rules as they apply to four University committees: the Joint Committee on Tenure, the Faculty Rights and Responsibilities Committee, the Promotion and Tenure Review Committee and the Faculty Advisory Committee to the President.

The proposed modifications would limit eligibility for membership on these committees to tenured professors.

In remaining business, the Senate will hear an informational report from the Committee on Admissions, Records and

Scheduling on the topic of "Special Admissions Program for High School Seniors at University Park."

It also will receive the Elections Commission's "Annual Faculty Census Report."

The University ombudsmen are:

Agriculture, Donald Cridge; Arts and Architecture, William Crocken; Business Administration, J.D. Hammond; Earth and Mineral Sciences, Richard Hogg; Education, William Rabinowitz; Engineering, Howard Kingsberry.

Health, Physical Education and Recreation, Ronald Smith; Human Development, Joseph Britton; Liberal Arts, Elton Atwater; Science, Paul Cutler; University Libraries, Cordelia Swinton. Allentown, Peter Behrens; Altoona, Valerie Stratton; Beaver, Gordon Johnston; Behrend, Richard Meier; Berks, Russell Reed; Delaware County, Peter Georgopoulos; DuBois, Harry Charleston.

Fayette, Paul Agate; Hazleton, A.V. Galanti; McKeesport, Robert Hauser; Mont Alto, Jerome Curry; New Kensington, Robert Carnahan; Oquoniz, Annette Carson; Schuylkill, Charles Cannon, Glenn Gerhard and Franklin Platts.

Shenango Valley, Leonard Rifornigato; Wilkes-Barre, Diane Hunt; Worthington Scranton, James Weiss; York, Ernest Harrison; Capitol, Irwin Richmond; Hershey, George Connor; Radnor, Vera Hopsodka.

Husband-wife team from London to visit, lecture

A literary scholar and an animal welfare advocate from London comprise a husband-wife team who will visit and lecture on campus Feb. 1-3.

Dr. Inga-Stina Ewbank, Hildred Carlile Professor of English at Bedford College of the University of London, will visit under auspices of the Department of English and the Institute for the Arts and Humanistic Studies. She will lecture on "Shakespeare, Ibsen, and the Language of Drama" at the English Department Colloquium on Tuesday, Feb. 2, at 8 p.m. in Room 112 Kern Graduate Building.

Her husband, Dr. Roger Ewbank, is director of the Universities' Federation for Animal Welfare in Great Britain. He will conduct a seminar on "Animal Welfare Concerns in Great Britain" for faculty members and graduate students in the departments of Dairy and Animal Science, Poultry Science and Veterinary Science on Tuesday, Feb. 2, at 11:10 a.m. in Room 301-B Agricultural Administration Building.

Dr. Inga-Stina Ewbank's scholarly publications range over the field of literature from the Renaissance through the 19th century. In Shakespearean scholarship, she has been concerned primarily with the poetry and the use of dramatic language. She is also the author of a definitive study of John Webster's *The Duchess of Malfi*.

Libraries asked to examine 'loot' of rare book thief

With the recovery by the FBI of some 2,000 pounds of rare books from a "mini-warehouse" in Bethlehem, Pa., Rare Books Librarian Charles Mann has been invited to look over the "loot" and see if any of the treasures bears a Penn State imprint.

The books are believed to have been stolen by James Shinn, who was apprehended in December at the Muhlenberg College Library. Suspected of removing rare books worth nearly \$500,000 from academic libraries across the country, Shinn was first arrested last June at Oberlin College and jumped his \$40,000 bail.

News of Shinn's arrest and the subsequent discovery of some 70 books in his motel room was circulated among university libraries everywhere. When Pattee's records were checked, the Library found that Shinn had registered there on Oct. 7, 1980, giving his address as the South Ridge Inn. His wife, Lola, registered at Pattee on Oct. 8.

According to Assistant Dean of Libraries Charles Ness, the Shinn's told the attendant who registered them that they would be in State College for six weeks.

"While we have no reason to believe

the Shinn's ripped us off, we will be curious to know when the stolen books are examined if any of them are ours," Dr. Stuart Foth, dean of Libraries, said. "Shinn did not register under any of his aliases in our Special Collections area, so if he took anything, it was from the open stacks. I don't believe he came back here after his first arrest since we were very alert to that possibility."

Except for the Rare Books Room and a caged area of the Arts Library, most of Pattee's stacks are open. Mr. Ness notes, "so it is possible for a determined person to steal materials. We have a Checkpoint security system in Pattee and our branches as a deterrent, but this does not prevent a thief from removing plates or other valuable parts of books."

When he was arrested at Oberlin, police found a device Shinn allegedly used to test books for electronic security strips and a razor to remove them. His motel room yielded five cans of shoe polish used to disguise marks made on leather bindings when library stamps were removed.

Rare Books reported no losses following the Shinn's stay at University Park, but, as Dean Foth points out,

with a collection numbering something over 1.6 million books, "there is no way we can do an inventory of the stacks."

Shinn, according to an article in *AB Bookman's Weekly*, is suspected of having stolen books from at least two Pennsylvania institutions, the University of Pennsylvania and the Lutheran Theological School, as well as Johns Hopkins, UCLA and other colleges from Hawaii to Florida. Among the books found in Bethlehem were volumes from the Universities of Michigan and Illinois. Thefts of books from these institutions had not previously been connected with Shinn.

Shinn was arrested the second time because an alert Muhlenberg librarian recognized him from pictures which had been circulated among the staff. An article in a local newspaper triggered the suspicions of the Bethlehem warehouse owner who had rented space to Shinn, leading to recovery of what the FBI estimates as more than a quarter million dollars worth of books. Shinn, now being held on \$100,000 bail, is plea bargaining with an offer to tell police the location of other warehouses where he claims to have cached books.



Ursula Oppens

Oppens to play classical program

The Artists Series will present pianist Ursula Oppens in concert as part of its *Pride of Pianists/Fine Arts Series* on Friday, Feb. 5, at 8:30 p.m. in Schwab Auditorium. The program will include works by Chopin, Schumann and Haydn.

Ms. Oppens has received many honors and prizes, including the first prize at the 1969 Busoni International Piano Competition, the 1970 Diploma d'Honneur of the Accademia Chigiana, the 1976 Avery Fisher Prize, and the 1979 Record Award for her recording of Frederic Rzewski's "The People United Will Never Be Defeated" (one of several works she has commissioned).

Ms. Oppens was born in New York into a musical family, but she studied economics and English literature at Radcliffe College before deciding to become a musician. She attended the Juilliard School of Music, studied piano with Rosina Lhevinne, Leonard Shure, Guido Agosti and Edith Oppens (her mother) and chamber music with Felix Galimir.

Tickets will go on sale at Eisenhower Auditorium box office, 9 a.m. to 4 p.m., weekdays, beginning Tuesday, Feb. 2. The HUB booth will be open the first day of the sale only. Phone orders on MasterCard/VISA will be accepted at 863-0255 on sale days.

Capitol Campus has been designated as the State's official data center under an Executive Order signed recently by Governor Richard L. Thornburgh. The Data Center at Capitol now is responsible for making accessible to the public and to all state agencies the population data and other statistical information gathered by the U.S. Bureau of the Census.

In establishing the Center at Capitol Campus, Pennsylvania became the 42nd state to set up a data center under the State Data Center Program, which was begun in 1978 by the U.S. Census Bureau.

The idea behind the program, according to Robert W. Surridge, director of the Center, is to make accessible the vast

amount of data that is collected by the federal census. This data, he said, can be used by researchers, by state and local government agencies, urban and regional planners, businesses, and others.

Under the agreement establishing the Data Center, the Census Bureau will provide Capitol's Center with census data and other statistical information. The State is providing initial funding for the program, which is being run on a cost recovery basis.

"Users of the Center's services pay for them at cost," Mr. Surridge explained. All State agencies are required to use the center as their source of census data,

under the Executive Order signed by the governor, he noted.

By having all State agencies use the Center as their primary census statistical resource, State government should reduce the possibility of costly and unnecessary duplication of data collection and processing by the different agencies. Businesses, local government, researchers, and others should benefit directly from the Center, Mr. Surridge said. By providing up-to-date and detailed information regarding census and other matters, the Center should lead to improved research, administration, planning, and decision making, he noted.

University Park Calendar

Jan. 28 —
Feb. 14

Special Events

Thursday, Jan. 28

Anthony Walls on "Compositional Technique and Compositional Thought in the String Quartets of Haydn," 1 p.m., Music Building recital hall.

Instructional Development Workshop,

"Communication Strategies that Help Motivate Students," 3:40-3 p.m., 305 HUB. Royal Shakespeare Company public lecture "Who's Afraid of the Sonnets?" 4 p.m., 105 Forum.

Kern Classics, *Support Your Local Sheriff*, 7 and 9 p.m., 112 Kern.

Friday, Jan. 29

Museum of Art lecture, 5 p.m. Tod Marder, Rutgers Univ., on "Bernini's Pantheon at Aricia."

Cinematheque, *The Man Who Fell to Earth*, 7 and 9:45 p.m., 121 Sparks. Also, Jan. 30 Interlandia folk dancing, 7:30 p.m., HUB Ballroom.

Commonplace Coffeehouse, 8 p.m., 102 Kern. In *The Mood...* "to Dance" winter ball, featuring the Dance Band of State College, 8-11 p.m., HUB Ballroom. Sponsored by the Penn State Ballroom Dance Club and Hgetel Union Ballroom.

Artists Series, ACTER/Actors from the Royal Shakespeare Company, *Shakespeare Lady: The Life and Times of Fanny Kemble*, 8:30 p.m., Schwab Auditorium.

Sports: Swimming (women) vs. Clarion, 6 p.m.; Gymnastics (men) vs. York, Canada, 8 p.m.; Ice Hockey vs. Bowling Green, 9:15 p.m.

Saturday, Jan. 30

Cross-Country Ski Workshop for Advanced Skiers, Shaver's Creek Environmental Center, 10:30 a.m., Stone Valley.

France-Cinema, *Kurosawa, Kagurusha*, 6:30 and 9 p.m., 112 Kern. Also Feb. 1.

Artists Series, ACTER/Actors from the Royal Shakespeare Company, *Love, Love, Nothing But Love*, 8:30 p.m., Schwab Auditorium.

Sports: Fencing (men) vs. Army and Wm. Patterson, 11 a.m.; Bowling vs. Howard, 1 p.m.; Basketball (women) vs. Seton Hall, 2 p.m.; Swimming (men) vs. Ohio State and Cleveland State, 2 p.m.; Volleyball (men) vs. Army, 2 p.m.; Wrestling vs. Navy, 8 p.m.; Ice Hockey vs. Bowling Green, 8 p.m.

Sunday, Jan. 31

Cross-Country Ski Workshop for Beginners, Shaver's Creek Environmental Center, 2 p.m., Stone Valley.

Sports: Swimming, Penn State Diving Invitational; Volleyball (men), Nittany Lion Invitational, 9 a.m.; Bowling vs. Temple, 1 p.m.; Wrestling vs. Maryland, 2 p.m.

Monday, Feb. 1

Deadline for Mary graduates to deliver theses to Graduate School and for departments to certify completion of required papers for March graduates.

First day to sign Spring NDSL and University Long Term Loans, 108 Shields, Through Feb. 10.

Sports: Basketball (men) vs. Bradley, 8:10 p.m.

Tuesday, Feb. 2

Red Cross Bloodmobile, 10 a.m.-4 p.m., HUB Ballroom. Also Feb. 3.

University Faculty Senate meeting, 2:10 p.m., 112 Kern.

Microcomputer Users Group meeting, 7:30 p.m., 189 Materials Research Lab.

English Department Colloquium, 8 p.m., 305 HUB. Inga-Stina Ewbank, Hildred Carlisle Professor, Univ. of London, on "Shakespeare, Ibsen, and the Language of Drama."

Wednesday, Feb. 3

Commons Noontime Concert, "Buffalo Chip Kids," Kern Lobby.

Colloquy speaker, John Cappelletti, 1973 Heisman trophy winner and fullback for the San Diego Chargers, 8 p.m., Schwab Auditorium.

Artists Series, Mazowsze Polish Dance Company, 8:30 p.m., Eisenhower Auditorium.

Sports: Swimming vs. Maryland, (women) 1 p.m., (men) 4 p.m.

Thursday, Feb. 4

Kern Classics, *The Producers*, 7 and 9 p.m., 112 Kern.

URTC, Mark Rozovsky, *Strider*, 8 p.m., Pavilion Theatre. Also Feb. 5, 6: 9:13-16:20.

Sports: Gymnastics (women) vs. Arizona State, 8 p.m.

Friday, Feb. 5

Cinematheque, *The Return of the Secaucus Seven*, 7 and 9:15 p.m., 121 Sparks. Also Feb. 6.

Interlandia folk dancing, 7:30 p.m., HUB Ballroom.

Commonplace Coffeehouse, 8 p.m., 102 Kern.

Artists Series, Ursula Oppens, pianist, 8:30 p.m., Schwab Auditorium.

Student Foundation for the Performing Arts, "Sojourner" by Germantown Theatre Guild, 8:30 p.m., HUB Ballroom.

Sports: Basketball (men) vs. Georgetown, 8:30 p.m.; Ice Hockey vs. Michigan-Dearborn, 9:15 p.m.

Saturday, Feb. 6

France-Cinema, *Trafalgar, The Wild Child*, 7 and 9 p.m., 112 Kern. Also Feb. 8.

Sports: Fencing (women) vs. Cornell, Indiana (PA), James Madison, Ohio State, 9 a.m.; (men) vs. Cornell, Ohio State, 11 a.m.; Wrestling vs. Cleveland State, 2 p.m.; Swimming (men) vs. Temple, 7 p.m.; Gymnastics (men) vs. Massachusetts, 8 p.m.; (women) vs. LSU, 8 p.m.; Ice Hockey vs. Michigan-Dearborn, 8 p.m.

Sunday, Feb. 7

GSA Council meeting, 7:15 p.m., 102 Kern.

Wednesday, Feb. 10

Deadline for signing Spring Term NDSL and University Long Term loans, 108 Shields.

Commons Noontime Concert, "Whetstone Run," Kern Lobby.

Sports: Swimming (men) vs. Bucknell, 7 p.m.

Interlandia folk dancing practice, 7:30 p.m., HUB Ballroom.

English Department Colloquium, 8 p.m., 305 HUB. Agha Shahid Ali, Cary Holladay and Brent Spencer will read from their stories and poems.

Musica da Camera concert, 8:30 p.m., Music Building recital hall.

Thursday, Feb. 11

Late drop deadline.

Kern Classics, *Arthur*, 7 and 9 p.m., 112 Kern.

American Nuclear Society lecture, 7:30 p.m., 101 Chambers. John F. Clarke, deputy associate director for fusion energy, Dept. of Energy, on "The United States Magnetic Fusion Energy Program."

Friday, Feb. 12

Cinematheque, *Kanal*, 7 and 9:15 p.m., 121 Sparks. Also Feb. 13.

Commonplace Coffeehouse, 8 p.m., 102 Kern.

Association of College Unions-International Region 4 Recreational Tournament, 9 a.m.-11 p.m., HUB Ballroom. Spectators invited. Also Feb. 13.

Saturday, Feb. 13

Artists Series, Frederica von Stade, mezzo soprano, 8:30 p.m., Eisenhower Auditorium.

Sports: Ice Hockey, PSU Nittany Lion Invitational. Also Feb. 14. Basketball (women) vs. George Washington, 2 p.m., and vs. Pittsburgh, 7:30 p.m.; Swimming (women) vs. West Virginia, 1 p.m.; Wrestling vs. Pittsburgh, 7:30 p.m.

Sunday, Feb. 14

Sports: Wrestling vs. West Virginia, 2 p.m.

Tina Baker, bassoonist, 3:30 p.m., Music Building recital hall.

Seminars

Thursday, Jan. 28

Chemistry, 12:45 p.m., 333 Whitmore. John T. Herron, Nat'l Bureau of Standards, on "The Chemistry of the Gaseous Intermediate."

Physics, 3:50 p.m., 445 Davey. J. Tucker, Univ. of Illinois, on "Quantum-Limited Response of Non-Linear Tunnel Junctions."

Agronomy, 3:55 p.m., 111 Tyson. Todd Campbell on "Hilling Competition Between Corn, Yellow Nutsedge, and

Velvetleaf," Doug Breda on "Interaction of Three Turfgrass Species."

Math, 4 p.m., 102 McAllister, Mihaly Makkai, McGill Univ., on "Logic and Category Theory."

Friday, Jan. 29

Analytical Chemistry, 11 a.m., 333 Whitmore. Kathy Perry on "Recent Developments in Capillary Columns for HPLC."

Marketing and Geography, 12:45 p.m., 201 Bus. Adm. David MacKay, associate professor of marketing and geography, Indiana Univ., on "Black Holes, Drift Effects and other Bizarre Phenomena: A Look at Probabilistic Multidimensional Scaling."

Geography, 4 p.m., 319 Walker. Don Leon, architecture, on "The Pennsylvania Courthouse Project."

Monday, Feb. 1

Entomology, 4 p.m., 204 Patterson. David Martin, director of research, Chelawn Corp., on "Principles of Professional Lawn Care and Pest Management."

MC3B, 4 p.m., 101 Althouse. Dr. Margaret Halleck, Los Alamos Nat'l Lab., on "Histone Modifications and their Relationship to Constitutive Heterochromatin Content in Cultured Peromyscus Cells."

Tuesday, Feb. 2

Biology, 11:10 a.m., 8 Mueller Lab, Steve Van Gorder and Doug Strange, Rodale Research Center, on "Small Scale Aquaculture."

Ag Greenhouse, 2:20 p.m., 301 Ag Adm. Les Nicolson on "Root and Foliage Diseases in the Greenhouse."

Water Pollution Control, 2:20 p.m., 271 Willard Bldg. Terry Krammes, director, Bureau of Community Environmental Control, PA DER, on "Pennsylvania's Drinking Water Program."

Health Planning and Administration, 3:30 p.m., 5:04 Human Dev. John Kim, health planning and administration, on "Physicians as Obstacles to Drug Product Selection by Pharmacists: The Agonies of Developing a Role Typology."

Geosciences, 3:45 p.m., 22 Deike. Charles Langston, geophysicist, on "Earthquake Plant Pathology, 3:55 p.m., 213 Buckhout. Steven Brosicous on "Prevost Classic #6."

Materials Science, 4 p.m., 112 Walker. T. Peters, "Phenanthrene Carbonization and Graphitization," K. Ewuk on "Hot Isostatic Pressing of Lead Zirconate Titanate."

Thursday, Feb. 4

Chemistry, 12:45 p.m., 333 Whitmore. Duward Shriver, Northwestern Univ., on "New Strategies to CO Activation."

Economics and Institute for Policy Research and Evaluation, 3 p.m., 124 Sparks.

Richard Rosenberg, economics, on "The Australian Price Controls Experience."

Physics, 3:50 p.m., 445 Davey. A. Heeger, Univ. of Pa., on "Semiconductors and Conducting Polymers, from Solitons to Storage Batteries."

Agronomy, 3:55 p.m., 111 Tyson. Michael Loll on "Characterization of a Polymerizing Soil Catalyst," and Gary Pedersen on "The Effect of Germplasm Source on Alfalfa Root Characteristics."

Friday, Feb. 5

Geography, 4 p.m., 319 Walker. Gary Fosmire, nutrition science, on "Zinc and Human Nutrition."

Monday, Feb. 8

Geosciences, 3:45 p.m., 22 Deike. Theodore Maxwell, Smithsonian Institution, on "The Geological Records of the Terrestrial Planets and Icy Moons."

Entomology, 4 p.m., 204 Patterson.

Billy Blair, USDA-SEA Extension, on "Integrated Pest Management in the Agroecosystem and Federal Funding and Policy for Integrated Pest Management."

Tuesday, Feb. 9

MC3B, 11 a.m., 101 Althouse. George R. Stark, Stanford Univ., on "Structure of Amplified DNA from Drug Resistant Mutant Cells."

Ag Greenhouse, 2:20 p.m., 301 Ag Adm. Richard Craig, horticulture, on "Experimental Design in Greenhouse Research."

Water Pollution Control, 2:20 p.m., 271 Willard. Dale E. Baker, agronomy, on "Monitoring Applications of Sewage Sludges on PA Soils."

Plant Pathology, 3:55 p.m., 213 Buckhout. E.J.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Pell, plant pathology, on "Air Pollution Research."

Wednesday, Feb. 10

Physiology, 4 p.m., 121 Noll. Seymour Alpen, Univ. of New Mexico, on "Optimal Time Response to Food Shortage and the Two-Reservoir Energy Model."

Thursday, Feb. 11

Chemistry, 12:45 p.m., 333 Whitmore. Thoma F. George, Univ. of Rochester, on "Laser-Induced Molecular Rate Processes in the Gas Phase and at a Solid Surface."

Physics, 3:50 p.m., 445 Davey. J. Dirk Poll, Univ. of Guelph, on "Recent Progress in Interaction Induced Spectroscopy."

Agronomy, 3:55 p.m., 111 Tyson. Mark Wellesley on "Methods for the Evaluation of Cold Hardiness in Crop Plants," S.L. Ramanakurachchi on "Potential for Double Cropping Soybeans in Central Pennsylvania."

Friday, Feb. 12

Analytical Chemistry, 11 a.m., 333 Whitmore. Prof. John Coetzee, Univ. of Pittsburgh, on "Ion-Selective Electrodes in Non-Aqueous Media."

Geography, 4 p.m., 319 Walker. Jack Sparks and John Kern, Resource Technologies Corp., on "The Federal Procurement Process."

Exhibits

HUB Art Gallery: Henry Blessing.

Kern Gallery: Dorothy Hock, paintings; Ren Hand, ceramics, through Jan. 29.

Shirley and Bruce Siegenthaler, clay and wood, opens Feb. 1.

Jane Kintler, weavings, opens Feb. 1.

Museum of Art: Museum Hours: 11 a.m.-4:30 p.m. Closed Mondays, Thurs, Sundays, 1:30 p.m.

Architectural Fantasy and Reality, Drawings from the Accademia Nazionale di San Lucio, Rome, through Jan. 31.

American Paintings: Before World War II, from the permanent collection, through Feb. 14.

Richard Hamwi, Works on Paper, opens Feb. 7.

David Van Dommelen, Stitches, opens Feb. 7.

Director's Choice, selected works from the Museum's collection, opens Feb. 14.

Pattie Library: Rare Books Room: The Academy of St. Luke, Rome: Architectural Treatises and Perspective Books.

Second Floor, East Patten: Jim Adams, ceramics.

East Corridor: James Abbot, photography, through Jan. 31; John Mahoney, drawings, opens Feb. 7.

Lending Services Gallery: Rebecca Postell, paintings.

Visual Arts Bldg., Zoller Gallery. Gallery Hours: 9 a.m.-5 p.m., Monday through Friday; Saturdays and Sundays, noon to 3 p.m.

School of Visual Arts Student Sculpture Show, through Feb. 14.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 863-1487 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m. February 4, 1982. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT MANAGER, HOUSING & FOOD SERVICES, HAZLETON CAMPUS Responsible to Manager, Housing and Food Services, Commonwealth College, for assisting in supervising the overall operation of the Housing & Food Service Unit. Associate degree in institutional management or equivalent; plus two years' related experience in food supervision.

Penn State Intercom

Penn State Intercom

Unit faculties to determine teaching evaluation format

Apparent contradictions in two legislative reports occupied the attention of members of the University Faculty Senate at a lengthy meeting held Feb. 2.

The first report involved a series of changes to the Senate's *Bylaws* and *Standing Rules*. The changes in the *Bylaws* (dealing with absences by senators and replacement procedures) must lie on the table for a month after submission, according to the Senate's *Constitution*.

In the case of the *Standing Rules*, the Committee on Committees and Rules (CCR) suggested changes in the membership of the University Standing

Joint Committee on Tenure, the Senate Committee on Faculty Rights and Responsibilities and the Faculty Advisory Committee to the President.

The principal source of confusion was CCR's proposed definition of the faculty members and administrators eligible for membership on these committees.

In April 1981, the Senate and the President had agreed on the balance of the faculty-administrative membership on the University Promotion and Tenure Review Committee. CCR in attempting to apply this definition to the three other committees found it was not easily

applicable because the Standing Joint Committee on Tenure and Faculty Rights and Responsibilities are required to have a specific number of administrative members.

President Oswald expressed his concern about the apparent exclusion of the College deans from membership on these two committees. The Senate was unable to agree on membership specifications, and the legislation was returned to committee for redrafting.

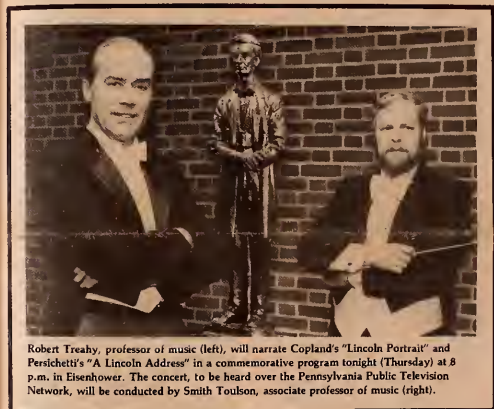
The second piece of legislation which troubled the senators involved modification to PS-23 in the area of

evaluating teaching effectiveness. This was not the first time that the Senate had viewed these changes; indeed, a "History of Legislative Action" was attached to the proposals.

The first item of business for the Senate was a vote on a motion made the previous October by Senator Sally Small to delete provisions in the legislation requiring all units to ask "a few standardized comprehensive questions on the overall quality of instruction."

Debate became so involved that at one point, having voted to delete all items

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Robert Treahy, professor of music (left), will narrate Copland's "Lincoln Portrait" and Perichetti's "A Lincoln Address" in a commemorative program tonight (Thursday) at 8 p.m. in Eisenhower. The concert, to be heard over the Pennsylvania Public Television Network, will be conducted by Smith Toulson, associate professor of music (right).

University marshalling support to protect student aid sources

Speaking to the Senate on Feb. 2, President Oswald said that higher education and, in particular, student aid were likely to be targeted for severe cuts when the federal budget was presented Feb. 9.

Cuts as high as 60 percent are possible in student aid funds, the President said, adding that last year 80 percent of Penn State's students qualified for some level of student aid. Because student aid is "forward funded," the University is still functioning on a budget prepared during the Carter administration, so the real blow will fall next year.

Dr. Oswald announced that he was writing the parents of all Penn State's undergraduate students to inform them of what could lie ahead. He also noted that he had appointed a task force including members of the faculty, staff and student

body and chaired by Frederick M. Ciletti, special assistant to the President for government affairs. The Committee's charge is to develop strategies that Penn State might use as an institution and in cooperation with other institutions of higher education both within Pennsylvania and throughout the nation in confronting aid cuts.

The Pennsylvania Association of Colleges and Universities has already held a meeting, Dr. Oswald reported, to alert its membership.

Translating the effects of a 60 percent aid reduction to Penn State's student body, Dr. John F. Brugel, director of Student Aid, prepared a set of figures which Dr. Oswald presented to the Senate. According to Dr. Brugel:

— Pell Grants funding, which are

(Continued on page 5)

Six companies join new affiliates program

Eleven molecular biologists from the College of Science have organized an ongoing program which supports basic research by providing "information transfer" to industries for a set yearly fee.

"This is not a consulting relationship," emphasizes Dr. Stanley R. Person, professor of biophysics and molecular biology. Dr. Person directs the new Industry-University Cooperative Program in recombinant DNA.

Six companies participated in the first workshop, which was held Jan. 20 through 22. After necessary administrative costs are deducted, the fees will be distributed to the 11 "faculty associates" to use in their research programs; the money, however, will not be used to supplement faculty salaries.

"Because recombinant DNA technology is going to be more and more important industrially for the next 50 years, a new era has opened in terms of the relationship between universities and industry," Dr. Person observes. "What has happened in other areas of science such as physics and chemistry has now happened in molecular biology — the basic research has born fruit, and recombinant DNA technology can be employed to biologically produce a wide variety of molecules of commercial value. Some of the first molecules marketed may include insulin and a vaccine to protect cattle from hoof and mouth disease virus."

Five major information transfer mechanisms have been established for the program: 1) Seminars and workshops to review the current state of the art; 2) annual summer symposia featuring leading



Dr. Person

scientists; 3) once-yearly visits to industrial affiliates by one or more of the faculty members in the program; 4) visits by industry representatives to faculty associates' laboratories in connection with the campus-based workshops; and 5) a program office to handle relevant inquiries throughout the year.

"A number of major universities such as

Stanford and Cal Tech have programs similar to ours," Dr. Person says, "but as far as I know we are the only one to provide a continuing service throughout the year."

Faculty associates, in addition to Dr. Person, are Reginald A. Deering, professor of molecular and cell biology; Richard J. Frisque, assistant professor of microbiology; Ross C. Hardison, assistant professor of biochemistry; Ronald D. Porter, assistant professor of microbiology and molecular genetics; Robert A. Schlegel, assistant professor of molecular and cell biology; David I. Shalloway, assistant professor of molecular biology; Wallace C. Snipes, professor of biophysics; S. Edward Stevens, associate professor of microbiology and cell biology; William D. Taylor, professor of biophysics; and Chen-Pei David Tu, assistant professor of biochemistry and molecular biology. Additional Penn State faculty may wish to join the program as it grows, Dr. Person notes.

Industry affiliates are Amax, Inc.; Gibco, Inc.; Gulf Oil Corp.; Schering Corp.; Westinghouse Electric Corp.; and Wyeth Laboratories.

The College of Agriculture, in order to encourage more interaction between its faculty members and those in the College of Science, has also contracted for several services of the program.

Industries are attracted to the program

(Continued on page 4)

Affiliates help support basic research effort

At least eight other industrial affiliates programs (or variations on the theme) exist or are being organized at University Park.

The oldest is the Cooperative Program in Metallurgy, which was begun in the '30s, languished during World War II and then was reborn as the Steel Companies Fund in the '50s. Now under the direction of Dr. John H. Hoke, program chairman and professor of metallurgy, the program enrolls 14 companies in several metallurgical fields.

Penn State's largest program is the Cooperative Program in Coal Research. Organized in 1979 by Dr. William Spackman, professor of paleobotany, this dynamic program has attracted 30 companies.

Another successful venture is based in the College of Business Administration. The Corporate Associates Program, administered by Milton J. Bergstein, CBA's director of external relations, has 17 firms on its rolls.

Dr. Joseph Stach, professor of electrical engineering, administers a Microelectronics Affiliates Program which is starting up with a single

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Penn Staters

Dr. Frederick R. Matson, emeritus professor of archaeology, has received the prestigious Pomerance Award of the Archaeological Institute of America (AIA) for scientific contributions to archaeology. The Pomerance is one of the two highest awards granted annually by the AIA in recognition of distinguished service to the discipline. It recognizes Dr. Matson's pioneering efforts in applying scientific analysis to the study of ancient ceramics. His work in joining ceramic science to cultural anthropology and traditional archaeological fieldwork has provided "an important technique for the understanding of the social, political and economic structure of antiquity," the award states.

Thomas F. Magner, professor of Slavic languages, has been awarded both a Fulbright Research Fellowship and an IREX grant to carry on research on urban dialects in Yugoslavia during the period January through June, 1983. Dr. Magner has published extensively on Yugoslav dialectology and sociolinguistics.

William R. Schmalstieg, professor and head of the Department of Slavic Languages, and member of the Institute for the Arts and Humanistic Studies, gave an invited lecture at a conference on the structure of ergative languages at the University of Hannover last month. During his stay in Germany, Professor Schmalstieg also gave invited lectures at the University of Münster and the University of Bielefeld. On his return to the United States, he lectured to the linguistics club of Yale University.

Dr. Toby N. Carlson, associate professor of meteorology, presented a talk on "Saharan Dust over the Atlantic" before a special working group on "Climate Fluctuations in the Sahel," meeting in Paris Jan. 27-28. The group was concerned not only with the meteorological causes of the current drought in the Sahara but also in arid regions in general.

Dr. James Canelos, research associate in the Office of the Dean of the College of Engineering, has received the 1982 Young Researcher Award from the Research and Theory Division of the Association for Educational Communications and Technology. The award, which carries a prize of \$500, recognizes Dr. Canelos' manuscript, "The Instructional Effectiveness of Three Content-Independent Imagery Learning Strategies on Different Learning Outcomes When Learners Received Visualized Instruction of Varying Stimulus Complexity," as the best report of a research project in 1982.

Dr. C. Gregory Knight, professor of geography, recently participated in a NATO Advanced Study Institute on Environment Impact Assessment held at Chateau Bonas, France. He discussed various aspects of research at Penn State related to the uses of coal and the impacts of these uses on the environment and on society.

He was also recently appointed to the editorial board of *Energy and Society*, a new journal issued by Sage Publications.

Dr. Roger Pennock Jr., associate professor of soils, has been named the Golden Key Outstanding Faculty Member of the University for 1981-1982. The honor was bestowed by the Penn State chapter of the Golden Key National Honor Society, a student organization. Dr. Pennock was selected from 10 nominees submitted by the student councils of each of the 10 Colleges. The award recognizes excellence in teaching and advising of students. He will receive a personal plaque and a certificate for department use, listing

Dr. Henry J. Hermanowicz, dean of the College of Education, has been appointed by Gov. Thornburgh to serve on the State's Advisory Committee on Block Grants. The Committee, composed of a select group of educators, will help the Pennsylvania Department of Education plan for the switch to block grant funding for education, mandated by the federal Education Consolidation and Improvement Act of August 1981.

The act, described by Dean Hermanowicz as "a prototype for President Reagan's strategies for his 'new federalism,'" puts into one block grant from the federal government 29 educational programs and areas previously funded separately.

Associate Provost Richard Chait has been named by the Association of Governing Boards (AGB) in Washington, D.C., as project director for a \$200,000 study of "The Role of Trustees in Academic Program and Personnel Planning." The grant was funded, in equal parts, by the Ford and Exxon foundations. It will be a two-year investigation from January '82 through December '83. The principal purposes of the project are to: 1) determine the appropriate roles and responsibilities for the academic affairs committee of a board; 2) to offer suggestions about how to improve the effectiveness of such committees; 3) to develop a self-assessment instrument for the committee; and 4) to recommend "model" policies and procedures for a board to follow in the areas of academic programs and personnel. All this will be done with special attention to the board's role in a time of retrenchment.

Lecturing in England, Dr. Peter Gould, professor of geography, discussed the structural analysis of rural communication networks at the Open University at Milton Keynes. At the University of Keele at Stoke, his topic was languages for structural analysis.

Dr. William L. Dunaway, professor of journalism, recently moderated a Newsroom Management Seminar in Seattle, Wash., for Allied Daily Newspapers, an association of daily newspapers in the Pacific Northwest. Dr. Dunaway also recently chaired a session on "Managing News for People" for the Pennsylvania Society of Newspaper Editors in Harrisburg.

Dr. Joseph Jordan, professor of chemistry, presented seminars on "Resource Development in Analytical Chemistry for the New Synfuel Technologies" at the University of Kentucky and the Colorado School of Mines. He also lectured on "Electrochemical Modelling of Biological Systems" at the University of Denver and Colorado State University.

Ralph L. Webb, professor of mechanical engineering, has been named a Fellow of the American Society of Mechanical Engineers.

Sidney E. Barnard, professor of food science Extension, has been named recipient of the 1981 Pennsylvania Dairyman's Association Cooperative Extension Service Award "for valuable noteworthy contributions to the State's dairy industry." The award consisted of a plaque and \$100.

Books shelf

Dr. Dan P. Silverman, associate professor of history, is author of *Reconstructing Europe After the Great War*, a new 360-page book published by Harvard University Press.

In his account of attempts to rebuild national and international financial and monetary systems after World War I, Dr. Silverman constructs a dramatic reinterpretation of Anglo-French-American financial and diplomatic history in the immediate postwar era.

He places the reparations issue in proper perspective as only one of many complex financial and monetary problems facing postwar Europe. He demonstrates that the war produced a crisis in financial and monetary theory as well as in fact. Traditional theory proved inadequate in dealing with the awesome tasks of balancing budgets, liquidating massive debts, halting inflation and stabilizing foreign exchange.

Setting his theoretical and empirical study in a comparative framework, and utilizing previously unused or underutilized financial and diplomatic archives, Dr. Silverman shows that previous work on postwar European financial reconstruction is seriously biased by its narrow Anglo-American perspective — which describes the French as intransigent, ignorant and incompetent.

As the wartime financial entente quickly disintegrated, Britain sought a new alignment with the United States alone. Acting together as creditors, the "Atlantic" nations would impose their superior economic orthodoxy on their less fortunate Continental friends and former enemies. Legitimately pursuing their own national interest, the French resisted all attempts to establish a system of Anglo-American financial and diplomatic hegemony. France rejected such orthodoxy and *laissez-faire* not out of ignorance, but because Anglo-American theories did not suit its unique situation and interests.

The story of financial reconstruction and diplomatic disintegration is told through the words and actions of Treasury officials, central bankers, financiers and politicians. The study describes how the British and French governments attempted to balance their budgets and manage their national debts.

Dr. Silverman demonstrates how the problems created by budget deficits and massive internal debts were intertwined with Inter-Allied debts and German reparations. In the process, the image of France is transformed from one of stubborn ignorance to one of unbending dedication to national interest.

Dr. Henry S. Albinski, professor of political science and director of Australian studies at the University, is the author of *The Australian-American Security Relationship: A Regional and International Perspective*, published jointly by the University of Queensland Press (St. Lucia) and St. Martin's Press (New York).

The book focuses on how, in the post-Vietnam era, Australia and the United States have perceived and pursued their respective security interests and, in turn, on the nature and practice of the relationship that has developed between them. The security theme is treated in a broad context, to determine how defense, diplomatic and economic resources and policies have been harnessed to serve security requirements. The Australian-American security relationship is assessed in global and in various Indo-Pacific settings.

The book concentrates on how the United States and Australian governments have dealt with security questions and with one another, and with the outcome. It is largely a narrative of the interweave between the Carter Administration and the Fraser government. The concluding chapter evaluates how the Australian-American security connection has been affected by the dynamics of the bilateral relationship.

Research for the book was capped by Dr. Albinski's appointment as a visiting fellow in the Strategic and Defense Studies Center at the Australian National University during 1978-79, and as a Senior Fulbright-Hays Scholar during the 1979 portion of his Australian visit. He conducted field research between 1978 and 1980 in Northeast and Southeast Asia, New Zealand and the South Pacific, Southern Africa and the United States. Aside from documentary sources, he

conducted hundreds of interviews with diplomats, ministers, legislators, agency administrators, intelligence and military officers, business executives, journalists and academics.

Florence A. Salinger, senior assistant librarian at Capitol Campus, is co-author, with Eileen Zagon, Capitol cataloger, of *Monograph Cataloging Notes*, published by Knowledge Industry Publications, Inc., White Plains, N.Y.

The book is designed as a manual for librarians who have responsibility for the descriptive cataloging of monographic works. It focuses on one aspect of that description — the notes included on a catalog card which augment the basic bibliographic information. As such, it includes a compilation of 788 examples of representative notes selected for their suitability in all types of libraries.

The compilation is intended as a decision-making aid for catalogers in determining the appropriateness of particular notes and in acquiring suggestions for their phrasing and punctuation. Since it is customary in cataloging procedure to observe standard rules as interpreted by the Library of Congress, the examples provide analogies with Library of Congress practice.

Dr. A.C. Lasaga, associate professor of geochemistry, is co-editor of a book, *Kinetics of Geochemical Processes*, issued by the Mineralogical Society of America as Volume 8 in its series, *Reviews in Mineralogy*. Of the eight chapters in the book, Dr. Lasaga is the author of four and the co-author of one. Described as a "reference textbook" designed for postgraduates, the volume is the first in its series to be concerned with processes. The other seven deal with different mineral groups.

Dr. Joseph H. Dahms, professor emeritus of medieval history, is the author of *Seven Medieval Historians*, published by Nelson-Hall, Inc. (New York).

In his book, Dr. Dahms brings to light the intellectual spirit of the Middle Ages as exemplified in the lives and works of seven historians. They are:

Procopius, a Byzantine lawyer and scholar whose Wars reported the campaigns against the Vandals and Ostrogoths; the Venerable Bede, the monk who compiled the *Ecclesiastical History of the English People*; Al-Tabari, who wrote the first universal history of Islam; Otto of Freising, a German bishop, historian and philosopher; Matthew Paris, who both wrote and illustrated *The Chronicle Majora*; John Froissart, a French priest, author of the *Chronicles of England, France and the Adjoining Countries*; and Ibn Khaldun, whose *Muqaddimah* analyzes the forces governing the rise and fall of civilizations.

Promotions

Faculty

Dana D. Anderson to assistant professor of psychology at Behrend College, effective March 1.
Robert Gillingham to assistant professor of English at Fayette, effective March 1.

Staff Exempt

Carla Holway to admissions counselor II in Undergraduate Admissions.

Staff Non-Exempt

Janet M. Borden to senior nutritional care technician at Hershey.
Gail F. Owens to senior research technician at Hershey.

Clerical

Donna S. Boozel to inpatient billing clerk at Hershey.
Sandra J. Butts to clerk, accounting A in Controller's Office.
Kharmen Dahmeh-Chami to secretary II in Libraries.

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Susan A. Landucci to secretary B at Hershey.

Bonnie Jean Ryder to purchasing clerk in Business Services.

Betty S. Walker to procedures clerk in Registrar.

Technical Service

Dan C. Cox to mechanic, auto A in Physical Plant.

Robert J. Page to group leader, orchard worker and machine operator in Agriculture.

Gerald M. Robison to mixer-bakery in Housing and Food Services.

Gregory A. Summers to receiving clerk at Hershey.



Dr. Deno G. Thevaos, professor of education and psychology in the College of Education's Division of Counseling and Educational Psychology, retired Dec. 31 with emeritus status.

A Penn State faculty member since 1947, Dr. Thevaos received the Christian R. and Mary F. Lindback Award for Distinguished Teaching in 1966. He devoted the major part of his career to developing systems of instruction, producing one of the first completely videotaped courses to teach educational psychology to students in Continuing Education and at Commonwealth Campuses.

He also devised procedures for individualizing instruction in large classes through optional learning activities and student teaching assistants. Most recently, he authored *Educational Psychology for Professional Effectiveness*, being used for the first time this term as a correspondence course.

Dr. Thevaos has served the College and University in numerous capacities during his career. He was the acting head of the Department of Educational Psychology in 1970-71 and was active in the University Faculty Senate. Since 1976, he has been a member of the committee on scholarship selection for the Renaissance Scholarship Fund, which he also chaired for two years.

Dr. Thevaos, whose research has focused on the psychology of teaching and methods for preparing future teachers, earned his B.A. degree at Emory University. He holds the M.A. and D.Ed. degrees from Columbia University's Teachers College.

George H. Kane, group leader research machinist in the College of Engineering, retired Jan. 23 after serving since 1950.

Carolanne M. Kuas, a copy center operator in the College of Agriculture, retired Feb. 1 after service dating back to 1966.

Joseph C. Lynn, mechanical designer in the College of Engineering, retired Feb. 1. He had been employed since 1971.

Philip J. Payne, supervisor of night and weekend operations for the Office of Physical Plant, retired Jan. 14 after serving since 1969.

Rita E. Rudy, a general helper in Business Services since 1966, retired Feb. 1.

Nevin G. Snook, offset duplicator operations/repairer in the Controller's Office, retired Feb. 1. He had been at the University since 1972.

Harold S. Sones, coordinator-inspector with the Office of Physical Plant, retired Feb. 1. He joined the staff in 1965.

Mary A. Tomasello, a food preparer at the Beaver Campus since 1969, retired Jan. 21.

Obituaries

Thomas E. Wilcox of Wellsboro, a member of the Board of Trustees, died on Feb. 4.

Mr. Wilcox had only recently joined the Trustees, having been appointed to the Board by Governor Dick Thornburgh in 1981 for a three-year term.

Daniel C. Grissinger, a carpenter with the Office of Physical Plant from 1930 to 1960, died Jan. 21 at the age of 88.

Cecile P. Sindin, a member of the faculty from 1952 until her retirement in 1969 as assistant professor of home-community relationships, died Jan. 28 at the age of 78.

Word has been received of the death last September of M. Elizabeth Westgate, who was an associate professor of home economics at her retirement in 1953 and a member of the faculty for 31 years. She was 88.

Aaron Yoder, a maintenance worker with the Office of Physical Plant, died Nov. 2 at the age of 68. He was employed from 1964 to 1975.

Staff Vacancies

The following vacancies for positions classified as staff except or staff nonexempt have been listed with the University Employment Division for fill. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Feb. 18, 1982. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

AREA REPRESENTATIVE, COMMONWEALTH EDUCATIONAL SYSTEM, NEW KENSINGTON CAMPUS Responsible for the functions of development, organization, operation and administration of Continuing Education programs and services within an assigned geographic district. Bachelor's degree or equivalent, plus two to three years of directly related experience or a master's degree or equivalent, plus one to two years of directly related experience.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS, BERKS CAMPUS Responsible to the Dean of Student Affairs for the implementation and coordination of the Student Activities Program and for the job placement service; also, assisting with secondary school relations and financial-aid functions, and other general areas of Student Affairs at the Berks Campus. Master's degree in student personnel administration, counseling, or equivalent training, plus up to and including one year of effective experience.

LEAD SYSTEM DEVELOPER, INTERCOLLEGE RESEARCH PROGRAMS, UNIVERSITY PARK Responsible to the Manager of the Systems Development Group in the Computer Center for providing technical leadership and coordination of the development of major enhancements of computer operating systems, major modifications of externally available system software, and the development of computer subsystems. Generates and researches proposals for new operating system enhancement projects. Provides leadership role in group review of design code in accordance with accepted programming productivity standards. Master's degree (or equivalent) in computer science or related discipline, plus four years' experience in system programming and system development on large IBM system. Demonstrable technical leadership ability.

SENIOR SYSTEM DEVELOPER, INTERCOLLEGE RESEARCH PROGRAMS, UNIVERSITY PARK Responsible to the Manager of the Systems Development Group in the Computer Center for the development of major enhancements of computer operating systems, modification of externally available system software, and the development of computer subsystems. Generates and researches proposals for new operating system enhancement projects. Master's degree in computer science or equivalent, plus minimum of two years' effective experience in system programming and system development on large IBM system; or bachelor's degree (or equivalent), plus four years of effective experience.

DIRECTOR OF PHYSICAL PLANT-MEDICAL CENTER, COLLEGE OF MEDICINE, HERSHEY Responsible to the Associate Provost for Administration for the maintenance and efficient operation of the physical plant, including grounds, buildings and the mechanical and electrical systems, as well as the planning of construction of additions and renovations to the facilities and effective and efficient operation of the environmental services department. Bachelor's degree in mechanical or electrical engineering, plus four to six years of effective experience in the engineering field, which should include demonstrated experience in the planning and management of physical plant budgets and at least two years in a management capacity.

AREA REPRESENTATIVE, COMMONWEALTH EDUCATIONAL SYSTEMS, OGONTZ CAMPUS Responsible for the functions of development, organization, operation and administration of Continuing Education programs and services within an

assigned geographic district. Bachelor's degree or equivalent, plus two to three years of directly related experience or a master's degree or equivalent, plus one to two years of directly related experience.

ADMISSIONS COUNSELOR 1, OFFICE OF UNDERGRADUATE ADMISSIONS, UNIVERSITY PARK Responsible to the Associate or Assistant Director of Admissions for general assistance in handling of the more routine admissions matters in an assigned regional area. Participate in and administer admissions activities for freshmen, advanced standing, transfer, provisional, and nondegree students who are baccalaureate or associate degree candidates for University Park Campus and for assigned Commonwealth Campuses and Betrend College. Bachelor's degree (or equivalent), plus six to nine months of effective experience in educational administration. A record of participation in and contribution to extra-curricular or avocational or civic activity desirable.

PROGRAMMER-DOCUMENTOR, COLLEGE OF ENGINEERING, UNIVERSITY PARK Write scientific and engineering applications software for courses and specific research projects, using the time and editors. Modify existing programs and files. Document existing and new programs, software packages and computer laboratory facilities. Develop standardized development formats and procedures. Associate degree (or equivalent) in computer science or a related field, plus over one and up to and including two years of effective experience with programming is required, with course work in calculus and science or engineering preferred.

AREA REPRESENTATIVE, COMMONWEALTH EDUCATIONAL SYSTEM, MOKESPORT CAMPUS Responsible for the functions of development, organization, operation and administration of Continuing Education programs and services within an assigned geographic district. Bachelor's degree or equivalent, plus two to three years of related experience in business, industry or education.

PROGRAM ASSISTANT, COMMONWEALTH EDUCATIONAL SYSTEM, MOKESPORT CAMPUS Provides assistance to the Area Director in planning, implementing and conducting a continuing education program of the campus service area; responsible for supervising office personnel, seeing that local contacts and maintaining related records. Bachelor's degree, plus one to two years of related experience in performing administrative and supervisory tasks.

ADMINISTRATIVE AIDE, OFFICE OF STUDENT AID, UNIVERSITY PARK Develop and maintain a strong working knowledge of all federal, state and institutional sources of financial aid. Prepare correspondence for a broad range of financial aid programs and services. Assist Office of Student Aid staff with the awarding and adjusting of campus-based programs. Responsible for development of written procedures reflecting office policy for, and analysis of, the Financial Aid Forms (FAFs) for independent students. Assist students and parents, and other offices and agencies, with financial aid matters. Bachelor's degree or equivalent, plus over one year of effective experience in an area applicable to aid administration, are required.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS, SCHUYLKILL CAMPUS Responsible to the Dean of Student Affairs for the direction and coordination of various functions within Student Affairs operations, including student activities, career development and placement programs and services, cultural programs and other programs pertaining to Student Affairs. Supervise staff employees, train and supervise students and other part-time employees as required. Master's degree, or its equivalent in counseling, student personnel or related field, plus over three months up to and including 12 months of effective experience.

ASSISTANT BUILDING SUPERINTENDENT, OFFICE OF STUDENT AFFAIRS, UNIVERSITY PARK Responsible to Building Superintendent for the supervision and maintenance of the Hetal Union Building physical facilities and equipment and providing technical support services for student activities during the night hours of the week: Monday, Tuesday, Wednesday, Thursday, Friday, 9:30 a.m. to 9:30 a.m.; Friday, Midnight to 9:30 a.m.; High school diploma with some trades training, plus one to two years of effective experience in maintenance of physical plant systems are required. Must have demonstrated ability to supervise, train and direct other employees.

INTERCOM is an internal communications medium published weekly during three terms of the class schedule and bi-weekly during the Summer Term for the faculty and staff of The Pennsylvania State University.

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Calendar report

The Calendar Conversion Council has recommended appointment of a Standing Advisory Committee on the Summer Session.

The recommendation was among those for the development of a Summer Session in the new semester calendar forwarded by Council to President Oswald.

According to the Council recommendation, a Standing Advisory Committee should be established for the Summer Session. The Committee would be charged initially with the responsibility to search for and recommend a Summer Session director.

Council members, prior to approval of a final draft of recommendations, discussed a wide range of concerns, including the role of the Summer Session director, tuition, student population, and faculty compensation.

Among other recommendations of the report forwarded to President Oswald are:

- The Summer Session director should be appointed no later than July 1, 1983, and preferably by Jan. 1, 1983.

- All tuition for Summer Session courses will be on a per-credit basis.

- The Summer Session should offer a comprehensive program to support a variety of student populations, including freshmen.

- The existing budget process should be modified to establish separate academic budgets for Summer Session activities.

Council also approved the following four recommendations from its Communications Committee:

- Review and action on the request from the English Department for funding to implement the English 15 and 220 proposal should be expedited.

- Academic review and approval by the Colleges and the Faculty Senate of the "Basic Six" programs, Biology, Chemistry, English, Mathematics, Physics and Speech Communication, should be expedited.

- The Division of Undergraduate Studies should be asked to incorporate calendar material in its "Advising Notes."

- The Administrative Committee on Undergraduate Instruction should be requested to make information on the calendar conversion an integral part of the freshmen orientation and testing program, effective immediately.

On other business at its Feb. 3 meeting, Council:

- Reported that the Faculty Contracts Committee report has been reviewed and accepted by the Senate Faculty Affairs Committee, which is still considering the Sabbatical Leaves report.

- Urged that course and curriculum changes be submitted to the Senate Curricular Affairs Committee as soon as possible.

- Noted that the Instructional Workshop Study is in the final stages of development and will be distributed in the near future.

Interoffice envelopes should be recycled

Because recycling of interoffice envelopes at the University Park campus can save many dollars, departments and individuals are urged to send excess supplies of used envelopes to Mailing Service, Room 108 Business Services.

Every type of envelope which might conceivably be reused should be sent — letter size; 10 lined or unlined, manila or white; even those as large as 11- by 15-inches. These envelopes will then be routed to departments which have expressed a need for them. At present, the expressed need is far greater than the supply.

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8:00 - 8:55	1	9	1	9	1	T. O. B. E. A. R. R. A. N. G. E. D.
9:10 - 10:05	2		2		2	
10:20 - 11:15	3	10	3	10	3	
11:30 - 12:25	4	11	4	11	4	
12:40 - 1:35	5		5		5	
1:50 - 2:45	6	12	6	12	6	
3:00 - 3:55	7	13	7	13	7	
4:10 - 5:05	8		8		8	
6:30 - 7:25		TO				
7:40 - 8:35			RE			
8:50 - 9:45				ARRANGED		

FLEX 83-C schedule preferred by Deans

Deans of the Colleges at University Park have indicated a preference for the FLEX 83-C schedule in meeting their program requirements under the new semester calendar. The schedule is being used in the Facilities/Faculty/Program Match project which currently is underway.

The basic configuration of FLEX 83-C is shown in the accompanying chart. The schedule provides for 41 minimum conflict class meeting patterns as opposed to more than 800 which characterize the present term calendar schedule.

FLEX 83-C provides for the following categories of meeting patterns:

- 1) Three-time-a-week, (or equivalent) sequences. Classes would meet Monday, Wednesday and Friday for 55 minutes.
- 2) Two-time-a-week, period-and-a-half

sequences, in which classes would meet Tuesday and Thursday for 80 minutes.

- 3) Two-time-a-week, single period sequences. Classes would meet Monday and Wednesday, or Tuesday and Thursday for 55 minutes.

- 4) Four-time-a-week, single period sequences, in which classes would meet Monday, Tuesday, Thursday and Friday for 55 minutes.

- 5) Five-time-a-week, single period sequences. Classes would meet Monday, Tuesday, Wednesday, Thursday and Friday for 55 minutes.

Tentative course lists for the 1983-84 academic year utilizing this schedule are to be submitted to the University Scheduling Office by Feb. 16.

Search opens for Delaware County post

A search has been opened for candidates for the position of associate director for academic affairs at the Delaware County Campus.

Dr. Deborah F. Hunter, assistant professor of speech communication at the Campus, will chair the Search Committee. Members are Dr. Thomas J. Knight, associate dean of the College of the Liberal Arts; Dr. Joseph M. Lambert, head of the Department of Computer Science; Richard A. Swavely, regional director for Continuing Education, Administrative Field Services; and Stephen Porter, associate professor of art.

Delaware County representatives are Dr. Michael A. Kersnick, associate professor of business administration; Dr. John R. Ousey Jr., assistant professor of environmental sciences; Dr. Priscilla Clement, assistant professor of history; and Harrison Butler, president of the Undergraduate Student Association.

The new associate director will be responsible to the Campus director for administering academic functions. Responsibilities will include working with the Colleges and departments of the University in providing leadership in the professional development of faculty, in initiating new and innovative programs and in Campus service to the community.

Candidates should have an earned doctorate and successful academic administration experience, as well as at least five years of experience involving full-time teaching and scholarly pursuits,

including preparation of proposals for external funding.

Applications and nominations should be sent by Feb. 15, 1982, to John D. Vairo, director, Delaware County Campus, 25 Yearsley Mill Road, Media, PA 19063.

Research support

(Continued from page 1)

company — but one that makes a very substantial contribution for information transfer. Dr. Richard E. Tressler, program chairman and professor of ceramic science and engineering, reports that, although no definite commitments have been made, 10 companies have expressed interest in a Ceramic Science and Engineering Affiliates Program, which he hopes will begin operations in Spring Term.

Three programs are just beginning to organize. The Polymer Science Affiliates Program is under the direction of Dr. Michael M. Coleman, program chairman and associate professor of polymer science. The Nondestructive Testing and Evaluation Program, directed by Clayton O. Ruud, senior research associate at the Materials Research Laboratory, is being organized under the auspices of Intercollege Research Programs. And Dr. Robert B. Beelman, associate professor of food science, is contacting companies in connection with a Cooperative Program in Mushroom Products Research.

Affiliates

(Continued from page 1)

for a number of reasons, according to Dr. Person. Among them:

- Some industries want the chance to evaluate new research findings; even if there's nothing in it for them, they're willing to pay something to find that out.

- While the basic research findings being presented at the seminar/workshops can be obtained from other sources — i.e., journals or professional meetings — the program makes them available quickly in a concentrated form tailored to the needs of member industries.

- Companies who don't want to employ recombinant DNA technology themselves can still keep an eye on what's going on in the field.

- Industries are always on the lookout for research personnel; students need jobs. The program provides a meeting place.

The program also has the potential of making an important contribution to research at the University. Dr. Person believes meaningful contacts between faculty members and representatives from industries could eventually lead to new research contracts.

"Seminars delivered by outside speakers, as well as the annual symposia, will be open to all interested faculty members and graduate students," Dr. Person says, adding that he believes the program will help illuminate areas of new curricular importance.

"In molecular biology," he explains, "we've concentrated our efforts on *E. coli*, to the exclusion of many other interesting organisms. At the January seminar, one of the speakers (Frank E. Young, Dean at the University of Rochester School of Medicine and Dentistry) emphasized the need today for much wider and broader training in bacterial physiology and ecology. More people are needed to study the molecular biology of yeast, and a wide variety of organisms, especially soil organisms. This is a deficiency in our program at Penn State, and it's the kind of insight that we should consider when we hire new faculty and revise our curricula. Dean Young especially noted the dearth of scientists in other important areas such as botany."

Dr. Person reports that a second group of six companies is being contacted for a May seminar, and the faculty associates hope to add another six companies by October.

"Twenty sounds like about the right number," he says, "but if we find we can provide adequate service to more we will. Regardless of the final number, the support of the six charter members will always be cherished by the faculty associates."

Pointing out that the MC3B Department has in the past few years added a number of young faculty members with training from such institutions as Yale, Harvard, Stanford, and Cal Tech, Dr. Person said, "We could never have started the program without these bright young people."

College of Science Dean Thomas Wartik noted:

"That major industrial concerns in significant numbers are so receptive to this new program means they both recognize the great potential of recombinant DNA technology and also that Penn State has a head start over most other institutions in having assembled a substantial group of faculty members with expertise in this important area."

"I was highly impressed with the first conference and am confident the succeeding ones will prove just as attractive to the industrial clients."

"Dr. Person and his colleagues deserve much credit for having taken these important initiatives."

PS-23 evaluation procedure established by Senate

(Continued from page 1)

referring to the preparation of standardized questions, senators then voted to accept a recommendation to appoint an ad hoc committee to develop the questions.

"You can't have meant that," Senate Chairman Nancy Tischler chided, and the vote was then reversed.

The most controversial provisions of the legislation, however, involved two items in Recommendation 1, which many senators termed contradictory.

Item 2 read: "The methods of evaluation to be used within a unit, as well as the manner in which the results are presented in the dossier, shall be specified by the faculty of that unit."

("Unit" was defined as "department.") Item 8 said: "The evaluation procedure specified by each unit must be approved by the appropriate dean (and by the Dean of the Commonwealth Campuses for those faculty assigned to any of the Commonwealth Campuses), whatever procedure a unit chooses to use must be designed by or selected by the faculty of that unit for evaluating teaching effectiveness for purposes of promotion and tenure."

A number of senators pointed out that item 8 would put into effect different evaluation procedures at different locations. However, in a close vote the Senate accepted both items 2 and 8.

Further debate focused on whether the legislation was so phrased as to maintain the confidentiality of the data in the evaluation surveys and on how soon results should be made available to faculty members who had been evaluated.

A figure of six weeks was suggested — and challenged by senators in administrative positions who felt this deadline would be extremely difficult to adhere to. This item was sent back to committee. An amendment was added to enhance confidentiality, and the rest of the recommendations were passed. The text appears below.

Any proposal for revisions to PS-23 passed by the Senate takes the form of a recommendation from that body to the President and must be acted upon by him before it becomes policy.

In other business, the Senate heard an appeal from Richard M. McClure of the Curricular Affairs Committee, which has become concerned because the anticipated flood of course changes in connection with calendar conversion has not yet begun to reach the Committee.

Professor McClure pointed out that if everyone waits until the final April

deadline, the Committee — even though it has been reorganized and enlarged to deal with the task — simply will not have the time it needs to give due consideration to the changes.

Graduate School Dean James B. Bartoo, noting that the Graduate School faces similar jams when the deadline for submission of dissertations occurs, pointed out that Curricular Affairs may have to reconcile itself "to taking a few short cuts, considering proposals on a *pro forma* rather than a substantive basis and catching up any mistakes next year."

Marlowe Froge, general manager, Learning and Telecommunications Services, presented an oral informational report on "Instructional Materials Development and Alternate Instructional Systems Design."

Another informational report, prepared by Manfred Kroger, vice-chairman of Faculty Affairs, dealt with a December Ombudsman seminar. Among the suggestions made by those attending were:

— "The gradual decline in ombudsman's case loads during the seven-year existence of the program at Penn State does not necessarily suggest the system is working; it could mean ombudsmen are no longer seen as positive contributors to conflict resolution.

— "To improve ombudsmanship and the grievance mechanism the following are recommended for ombudsmen:

Enhancement of status through perquisites; selection of the best qualified person; reduction in other work assignments; provision of better visibility; university-wide standardization; increase in term of office to four years with an annual opportunity for constituents to replace the incumbent; revision of the form "Petition for Review of a Complaint" and assistance to a complainant when filing the form; scheduling of annual meetings of current ombudsmen in the program.

— "The University may be served well by the creation of a new position, University Ombudsman, to serve all the constituencies in the system.

— "The ombudsman should use his/her exposure to complaints as an indicator of needed organizational correction. Hence, the ombudsman might act and be seen as an agent of change. The ombudsman's advisory role could be expanded to include activism."

The Senate had scheduled a forensic session on Compulsory Physical Education, but discussion had to be postponed because of the lateness of the hour.

Aid sources

(Continued from page 1)

awarded to the neediest categories of students, could be reduced by 29 percent from the current year level. This could mean a loss of \$3.7 million to Penn State students.

— Campus-based programs (National Direct Student Loan, Supplemental Educational Opportunity Grant, College Work Study) would be reduced by approximately 33 percent. This translates to a reduction of \$1.9 million and to total elimination of more than 2,000 awards.

— Early estimation of the impact of the Guaranteed Student Loan changes indicates approximately 41 percent of the current borrowers would be either totally eliminated from the program or have their loan reduced.

— Graduate students would be eliminated from the GSI regardless of their documented need.

Cautioning that these figures were not yet fact, Dr. Oswald said that while his intent was not to alarm the senators, he felt that they should be informed. He also expressed his continuing concern that higher education funds were being cut disproportionately in comparison to other areas of service.

Text of legislation

The following legislation, passed by the University Faculty Senate on Feb. 2, modifies section III of PS-23, dealing with the evaluation of teaching effectiveness.

In evaluating a candidate for promotion or tenure, the department committee should seek the views of senior members of the candidate's academic unit. In many cases, evaluations by expert peers in other institutions may provide essential helpful information.

(1) Evaluation of teaching effectiveness for purposes of promotion and tenure shall include both peer and student input.

(2) The methods of evaluation to be used within a unit, as well as the manner in which the results are presented in the dossier, shall be selected by the faculty of that unit.

(3) In the case of the College, "unit" is defined to mean the department or similar academic entity, for the University Libraries, "unit" is defined as the University Libraries.

(4) It is the responsibility of the unit to

provide clear documented evidence of a candidate's teaching effectiveness, including both peer and student evaluation.

(5) The evaluation procedure specified by each unit must be approved by the appropriate Dean (and by the Dean of the Commonwealth Campuses for those faculty assigned to any of the Commonwealth Campuses); whatever procedure a unit chooses to use must be designed by or selected by the faculty of that unit for evaluating teaching effectiveness for purposes of promotion and tenure.

(6) The process must be managed so that the candidate is not in a position to influence the student responses or the interpretation of the survey results.

(7) Such surveys shall belong to the unit which administers them and shall be summarized and interpreted as part of the promotion and tenure documentation. Such surveys shall not be used by the unit for any other purposes without the express permission of the candidate.

Funding Sources

For further information, call 865-1372

374-1 Extraordinary opportunity for research at the National Science Foundation (NSF) staff just learned that \$6 million, instead of Reagan's March proposal of \$3.7 million, has been appropriated for NSF's Economics Program. Since the program staff and the research community have been anticipating operations on the \$3.7 million level, the final appropriation of \$6 million appears and feels like a windfall, even though it is a decrease from the FY 1981 appropriation of \$8.1 million.

Due to the fiscal uncertainty that has permeated the entire budget process, there has been a startling decline in proposal submissions. At this writing, there have been only 17 proposals submitted to the Economics Program for a mid-February target date. Last year at this time 111 proposals had been submitted. NSF staff continue to encourage proposal submissions, not just to the Economic Program but to the other social and behavioral sciences programs. Staff caution that standards of scientific merit will not collapse even though there are so few proposal submissions. Instead, it may be easier to secure funds for budget items that are normally not funded when the competition is so keen. Investigators with specific project ideas are urged to review the NSF brochure, "Grants for Scientific Research" and to contact the appropriate program officers in the Division of Social and Economic Sciences. (Ref: OPF Reports 1/19/82)

375-1 The National Endowment for the Humanities 1982 Summer Seminars for College Teachers has an application deadline of April 1, 1982. NEH is offering 58 seminars in various disciplines of the humanities and humanistic social sciences. The programs are for 6 weeks and include a \$2,500 stipend to cover travel and other expenses. This is the largest federally-supported faculty development program and has had 10,000 participants since its inception in 1973. Preference is given to college teachers who have been teaching for at least 3 years and have not recently had the opportunity to work at a master's library. Director, location and topic information are available. (Ref: NEH Memorandum/Announcement/Seminar Descriptions)

From the Press

Sylvester Judd's New England. By Richard D. Hathaway. 362 pages. \$17.95.

Richard D. Hathaway, professor of English at SUNY-New Paltz, presents Sylvester Judd (1813-53) as a representative figure whose life and works illustrate the intellectual and religious tensions of Emerson's day. Judd, a convert from Congregationalism to Unitarianism, flirted next with transcendentalism, touching on most points in the New England compass during his intellectual and spiritual odyssey.

Professor Hathaway, who began his research at Harvard, located and examined the Judd Papers (now in Houghton Library) and then consulted scores of Judd's relatives, family friends and librarians to complete this book.

Fifth rabid skunk identified in Centre County

University Safety Officer Howard O. Triebold Jr. this week urged University students and faculty and staff members to update rabies vaccinations of family pets, keep pets on a leash and avoid wild animals.

His warning came after a skunk caught on the outskirts of campus was identified as a carrier of rabies. It is the fifth rabid skunk captured on or near campus since September.

"This is highly unusual. It's been several years since we saw any cases of rabies among wild animals here," Mr. Triebold said. "I don't want to frighten people, but I think extreme caution is warranted. We have a large skunk population on the outskirts of campus, and on occasion the animals even come onto campus."

Rabies, a virus disease, can infect all warm-blooded animals. Once it develops, it is nearly always fatal. Although vaccines are successful with domestic cats and dogs, there is no approved rabies vaccine for other animals.

"It is even dangerous to touch an

animal that has been killed along the road, since it may have been a carrier," Mr. Triebold noted.

The problem is not unique to Centre County or even Pennsylvania. An unusually large number of rabid skunks has been reported this year from a number of northeastern and northcentral states.

So far, the problem in Centre County has been limited to skunks. But Police Services officers urge people who see other animals that appear to be sick to call them. Those calls, and calls about skunks, should be made to Mr. Triebold or Police Services officers at 863-1111.

Most of the animals identified as rabies carriers to date have been in the area of Beaver Stadium and the University barns near the stadium. A special warning has been issued to people who walk or work in that area.

The most recent rabid skunk incident occurred in Patton Township near the Heritage Oaks apartment complex.

News in Brief

Panel to discuss U.S.-China relations

"U.S.-China Relations: A Decade after Nixon's China Trip" will be the subject of a panel discussion on Tuesday, Feb. 16, from 7:30 to 9 p.m. in Room 101 Kern Graduate Building.

Sponsored by the East Asian Studies Committee, the panel discussion will feature Dr. E. Tu Zen Sun, professor of Chinese history, who will examine Sino-U.S. relations in historical perspective; Dr. Henry S. Albinski, professor of political science, who will analyze the impact of U.S.-China rapprochement on Southeast Asia; Dr. Vernon V. Aspturian, Evan Pugh Professor of political science and director of the Slavic Center, who will discuss the impact of U.S.-China rapprochement on Sino-Soviet and U.S.-Soviet relations; and Dr. Parris H. Chang, professor of political science, who will analyze the major issues in contention between the two nations now and their relations in the years ahead.

The panel will be chaired by Dr. Thomas F. Magner, associate dean of research and graduate studies in the College of the Liberal Arts.

Two choirs to sing

A joint concert featuring the Penn State Chamber Choir and Concert Choir has been scheduled for 8:30 p.m. Wednesday, Feb. 17, in the Music Building recital hall.

The Chamber Choir will present the first half of the program, opening with "Salve Regina," a Gregorian chant. The Chamber Choir will then perform two later settings of "Salve Regina" — the first, by Josquin des Prez, will feature David Gatts on the sackbut, a Renaissance instrument. The women singers from the Chamber Choir will perform the second setting of the piece by Claudio Monteverdi, and continuo accompaniment will be provided by June Miller on the harpsichord.

Two motets by Monteverdi and the Stravinsky Mass will conclude the first portion of the concert. A double wind quintet composed of faculty and students — as well as soloists Chris Sperry, soprano; Janice Wilson, mezzo-soprano; Charles Claus and Ralph Lyon, tenors; and Richard Steinhart, bass — will accompany the Chamber Choir on the Stravinsky work.

As a part of a special tribute commemorating the 150th anniversary of Haydn's birth, the Concert Choir will perform the composer's "Lord Nelson Mass" for the second part of the program. Musica da Camera will accompany the singers, and soloists for the piece will be sopranos Paula Hefer and Jan Tsui-er, mezzo-soprano Karen Hafke, tenor Russell Wynn and bass Richard Steinhart.

Early registration set

Degree students who preregistered and wish to accept the schedule assigned as a result of preregistration for Spring Term may register early and avoid returning to regular registration immediately prior to Spring Term.

Early registration for Spring Term 1982 will be held from 8:30 a.m. to 4:30 p.m., Feb. 24, 25, 26 and March 1 and 2 in Room 112 Shields Building. In order to register early, a student must present evidence of fee payment, ID Card and Preregistration Schedule (Pink Slip). Students who register early will not be permitted to return to the regular registration in the Intramural Building.

New Mont Alto number

The Mont Alto Campus reports that it has a new network telephone number — 488-2199.



Robert Klein to appear Friday at Eisenhower

Comedian Robert Klein will perform in an Artists Series presentation in Eisenhower Auditorium on Friday, Feb. 12, at 8:30 p.m.

Known to television viewers for his work on numerous shows — including Johnny Carson's "The Tonight Show" and "Saturday Night Live" — Mr. Klein got his start on television when CBS replaced "The Glenn Campbell Show" with Mr. Klein's "Comedy Tonight."

He also has performed on Broadway, with his role in *They're Playing on Song* winning him a Tony-award nomination. His film credits include a starring role in Columbia Pictures' *Nobody's Perfect*.

Mr. Klein has recorded several albums, with his first two, "Child of the Fifties" and "Mind Over Matter," both receiving Grammy-award nominations.

Mr. Klein will bring to Penn State what has been described as "this precise memory for the most subtle details." It is this quality that enables him to depict with humor subjects ranging from luncheon food in the public school to the president of a major oil company.

Tickets are on sale at Eisenhower Auditorium box office weekdays from 9 a.m. to 4 p.m. Phone orders on Mastercard/Visa will be accepted at 863-0225 during sale hours.

Calendar data due

Individuals and organizations wishing to include items in INTERCOM's Spring Term Calendar should send or phone notices by Friday, Feb. 26, to Room 312 Old Main, 865-2501. The calendar will appear on Thursday, March 11.

Seigenthalers showing works in Kern show

Kern Commons Gallery is currently featuring a show of crafts by Dr. Bruce Seigenthaler, research professor of speech pathology and audiology at the University, and his wife, Shirley.

The Seigenthalers have collaborated in designing and producing objects combining clay, wood and weaving. Dr. Seigenthaler, who at one time studied to be a teacher of industrial arts, produces furniture and other wood objects. Mrs. Seigenthaler works in porcelain and stoneware.

Journalist to speak

Dr. Lynn Martin Haskin, assistant professor of journalism at Delaware County, will speak on "Sex-Typed Occupations: Assessment and Changes," Tuesday, Feb. 23, at 7:30 p.m. in Room 124 Sparks Building.

In her talk, sponsored by the Women's Studies Colloquium, Dr. Haskin will discuss the methodology known as multidisciplinary scaling, which determines how people feel about sex-typed occupations. She also will discuss how this scale can be applied to change such perceptions.

Water conserved

Several ruptures in a major water line on the north side of the University Park campus last month caused a water emergency which lasted several days. Occupants of buildings were requested to conserve water as much as possible, forcing a change in normal habits and lifestyles.

"We are pleased to report that the response to this request was very good and there was a perceptible decrease in the use of water during this period," Ralph E. Zilly, vice president for business, said. "We would like to thank everyone for their cooperation."

Mr. Zilly noted that the behavior of the University community during the emergency indicates that effective conservation of water is possible.

"Perhaps this recent experience with an emergency situation can become a more permanent mode of operation for everyone if we just give continual thought to water conservation," he added.

Housing referral service available

Faculty who have been granted leaves of absence and are interested in renting their houses during the period they will be away are reminded that there is a Housing Referral Service.

A division of the Faculty Women's Club, the service, for a nominal fee, may list houses for rent. Inquiries are handled at 865-1538.

March forum topics due

The University Committee Concerned with Women in International Development will hold a forum on "Research Methodology for the Study of Women in Development" on Friday, March 12, in the Keller Conference Center.

Task forces will discuss and devise methodological recommendations in such subject areas as: food production, population/family planning, nutrition, health, home economics, employment, intervention, education and family structure. Working sessions will open with a brief presentation by each task force member.

Persons interested in participating should submit a letter of intent by Saturday, Feb. 20, specifying their area of interest. Because participation will be selective, they should also include a brief description of their intended presentation.

The materials should be sent to Dr. Carolyn E. Sachs, assistant professor of rural sociology, Room 205 Weaver Building (865-0455).

United Way contributions from University rose

The University increased its contributions to the United Way agencies in Pennsylvania by 12 percent in 1981.

President Oswald announced that more than \$191,750 was raised throughout the Penn State system in its 1981 campaign.

"I've been involved with, and committed to, the United Way for many years, and this year's results are particularly gratifying to me," Dr. Oswald said. "They show that Penn State faculty and staff members have taken to heart the United Way's motto, which is 'People Caring.' My thanks go to everyone who participated and contributed."

For its 1981 campaign, Penn State has received a letter of commendation from the national United Way organization.

Among areas in which at least 45 percent of the faculty and/or staff members contributed in the campaign, were: advanced gifts (President's staff, deans, associate and assistant deans), under Irvin H. Koehl; College of Agriculture, under Robert J. Flipse; and College of Business Administration, under Eugene J. Kelley.

Also, the College of Earth and Mineral Sciences, under John J. Cahir; the College of Education, served by Henry J. Hermanowicz; the College of Health, Physical Education and Recreation, under Martha Adams; and the Office of the Senior Vice President for Administration, handled by John A. Hargleroad II.

Two A-V pick-up sites

Faculty and students can now schedule and pickup audio-visual equipment from Room 10 Henderson Human Development Building, as well as from AVS, Room 1 Willard Building.

The University Learning Services office in Human Development is open from 8 a.m. to 5 p.m., Monday through Friday; 6:30 to 10 p.m., Monday through Thursday; and 4 to 10 p.m., Sunday.

Equipment available for pickup includes 16mm and slide projectors, reel-to-reel and cassette tape recorders, screens and projector stands.

Professors exhibit

Two one-man exhibitions by Richard Hamwi and David Van Dommelen, faculty members in the School of Visual Arts, are on display at the Museum of Art now through March 28.

Mr. Hamwi's exhibition, "Works on Paper," includes pieces executed through collage, pen and ink and quill-pen. The artist, who derives his themes from nature and experience, states that "each piece, initially evolves from a feeling or a conceived image and an individual theme unfolds according to the nature of my thoughts and feelings during the process of realizing the image."

An instructor in the School of Visual Arts, Mr. Hamwi has had numerous solo and group exhibitions, and his work is in the permanent collection of the Smithsonian Institution's National Museum of American Art.

"Twenty-Five Years of Fiber Art," Mr. Van Dommelen's show, features a wide mixture of fiber works based on themes ranging from the natural world to family events. Notes in the Museum catalog accompanying the exhibition state that Mr. Van Dommelen "has developed a personal imagery and use of materials which have expanded the dimensions of fiber art."

Mr. Van Dommelen, whose work is in the permanent collections of Chicago's Marshall Field and Company and the Portland Art Museum in Portland, Me., is a professor of art education.

Nominations deadline

March 1 is the deadline for nominations for the Award for Outstanding Contribution to the University Libraries.

The award, consisting of a cash stipend and Nittany Lion statue, is given in recognition of the achievements or performance of any person holding an academic or staff appointment in the Libraries.

Nominees should meet one or more of the following guidelines: 1) professional contribution which has a significant influence on the Libraries' operations, 2) significant professional contribution which earns the respect of the University community for the Libraries, 3) significant contribution to the profession which reflects achievement in librarianship at Penn State, or 4) outstanding service to the Libraries as evidenced by continuing leadership and innovation.

Nomination forms are available at the following Library locations: Arts (E405 Pattee), Architecture (207 Eng. Uni. Cl.), Earth & Mineral Sciences (105 Deike), Engineering (325 Hammond), Information Desk (C102 Pattee), Life Sciences (E205 Pattee), Mathematics (110 McAllister), Physical Sciences (230 Davey), and all Commonwealth Campus Libraries. Nominations should reach Bruce Bonta, chairman of the Awards Jury, E108 Pattee, by March 1.

The Philosophical Imagination

Editor's note: This article is one in an ongoing series in which a faculty member describes work in progress.

By Donald Verene
Professor of Philosophy

What role does imagination play in human thought? What is the importance of imagination for philosophical thought?

These two problems have concerned me very much for the past ten years, but the roots of my interest in them go back to the early days of my education in philosophy and poetry. Because of my early training in the writing of poetry and my study at the same time of philosophy, I experienced in my own thought what Plato called "the ancient quarrel between philosophy and poetry." Is it through philosophy or through poetry that human thought is rightly led toward truth? This question in modern thought becomes a question about the nature of the imagination as a specific power of the mind.

The arts, the traditional loci of imaginative activity, have been separated in the modern world from the sciences and from philosophy. Since Descartes in the seventeenth century defined truth in terms of a fixed, step-by-step method, forms of imaginative activity such as art, myth, poetry, rhetoric, and history conceived as a literary activity have been assigned their own realm apart from science. Certain meanings can be explored in this realm, but the search for truth has been associated in modern thought with the sciences. The imagination is important for both the arts and the sciences; so the Cartesian split between thinking that is without strict method and thinking that is essentially methodological is particularly unfortunate.

This split has been the starting point of my own thinking for the past several years. Since Plato, philosophy in the Western tradition has been identified with reason. And, since the founding of modern philosophy with Descartes, this has meant the association of philosophy with reason based on method. Philosophers have derived their form of

thinking from more specific rationalistic and empirical forms of investigation or they have attempted to create a rationalistic science of their own. The best example of this latter alternative is Hegel. An exception to this has been existentialism, which has been interpreted the irrational senses of existence that systematic reason leaves out.

In the philosophical tradition of reason, and in the attention accorded the "irrational" by existential thought, the imagination is left out. The imagination is not explored as an original power of the mind. Modern philosophy regards the human imagination in two ways. The first is as a special faculty that lies between the senses that perceive objects and our faculty of understanding that forms concepts of the objects we perceive. The imagination forms an image of what we perceive with our senses and from this image we can form a concept abstractly in our minds of what we have seen. The other way in which philosophy regards the imagination is as going its own way, as having little to do with truth, clarity or concepts. Imagination is seen as building its own world of artistic and poetic forms. These forms and activity can be examined by philosophers of art but philosophical truth itself is not regarded as something that can be pursued through such forms.

My research and thought have led me to the possibility of a new rapprochement between the powers of the imagination (as found in the arts) and philosophy (as the attempt to gain a knowledge of the whole of things).

The key step in my work was my discovery of the little-known Italian humanist thinker, Giambattista Vico (1668-1744), whose major work is entitled *The New Science*. In a unique and unprecedented way, Vico holds that the most fundamental act of the human mind, individually and collectively, is culture is imagination. The imagination, or what Vico calls in Italian, *fantasia*, is the primary power of the mind whereby human beings make their world. Only through imagination can humans found their cultures, create their myths, and form themselves socially. For Vico it is the



Dr. Verene

metaphor, not the rational concept, that is at the basis of human society and thought. The metaphor, or what Vico calls the "imaginative universal" (*universale fantastico*), is the very basis of thought. Whenever the mind is deadlocked or fatigued with old forms of thought, it can find a new starting point, a revival, only by the power of the metaphor. The metaphor always gives the individual thinker or culture itself a new beginning point.

What if philosophy were to begin its account of human thought and society by seeing humans first as users of imagination and later as users of reason? What if human experience is seen as coming from certain basic acts of imagination or "imaginative universals" and only later as involving the rational formation of experience? And further, what if philosophy itself saw the power of imagination as the basis of its own power to understand the human world?

These questions were the subject of an exchange between Sir Isaiah Berlin and myself at a conference on Vico in 1976 in New York. My goal was to reform philosophical thought on the basis of Vico's notion of the imagination. Our exchange was published, and it was from the issues contained in it that I was led finally to write my book on Vico that

appeared last summer — Vico's *Science of Imagination* (Cornell University Press, 1981). Also deeply involved in my thesis was the work on rhetoric and poetics of the Italian humanist scholar, Ernesto Grassi, who made many helpful suggestions. Grassi's work shows how Vico can be connected to Renaissance humanism. I mention this because I think work in the humanities is never done alone, but is always an attempt to extend a basis of thought built by other scholars. One's own work must be viewed in the same way.

In my view of basing philosophy in the imagination, philosophy does not lose its interest in reason; rather philosophy itself takes on a new shape. Philosophy is given a new place to stand outside the dilemma of conceiving its task as rational science, or as the rejection of such, as is found in existentialism. The next major step in my own pursuit of this problem is the making of part of the philosophy of imagination that follows from Vico's seminal notion of the "imaginative universal."

Philosophy in many ages has been criticized for speaking about problems of concern only to other philosophers. My purpose is to direct philosophical inquiry back toward its ancient role of speaking directly to the problems of human life and culture.

College adds professional values and ethics course

Approximately 200 students this term are taking the forerunner of a course in professional values and ethical issues that soon will be required of all students in the College of Human Development.

It's the vanguard of a new core curriculum for Human Development — four three-credit courses aimed at providing a common learning experience for students enrolled in the College's eight professional majors.

"We believe it's important for people who will become practitioners, administrators and planners of human services to have a solid understanding of the issues of professional ethics and values that affect their work," says Theodore R. Vallance, professor of human development.

Dr. Vallance is project director of a grant to support the planning, implementation, evaluation and revision of a values and ethics component in the College's curriculum.

The National Endowment for the Humanities has awarded \$49,995 for the effort, which, in addition to faculty time, travel and expertise, involves assembling a wide variety of course materials including a detailed course outline, a 500-page reader and a 300-page casebook.

A set of about a dozen videotapes of lectures and/or role-played simulations also will be developed, along with about 150 slides of viewpoint transparencies.

Each year, about 650 second- or third-year students will take this course at University Park, according to Dr. Vallance,

and about 200 will enroll at the Commonwealth Campuses.

"Not all campuses have full faculties of library and faculty suited to teaching a humanities-professional course such as the one we've planned," Dr. Vallance says. "Thus, we want to develop a rich array of educational materials."

Faculty members of the Department of Philosophy are cooperating in the development of the course and will assist in teaching it after it has been approved by the Faculty Senate.

Six general problem areas will be addressed, including the rights of citizens to the means for a good life. Other issues will be the development and transition of rights and obligations over the life span, and relationships between professionals and their clients.

Still other areas are conflicts in allocating scarce human service resources between people as clients and other parts of society, and conflicts between professionals and other people and institutions.

The broad and fundamental question of justice itself will be addressed as well.

"This term, the course is being taught as an experimental variant of an established course, Human Development 401, Professional Issues in Human Development, without the planned visual aids and the specially prepared readings," Dr. Vallance notes.

He says it will take approximately nine months to assemble the materials and work out the logistics to offer the course

on a College-wide basis.

The new course, to be called Human Development 310, came from a recommendation by a special Committee on the College Core, which called for the addition of four required courses. Human Development 310 is the only one of the four requiring grant funds for its establishment. The others are:

— Introduction to Lifespan Human Development. This is aimed at teaching students about basic biological, sociological and psychological factors affecting human growth and development over the lifespan.

— Empirical Inquiry in Human Development. This course will introduce students to research methods appropriate to the various fields in human development.

— Community Systems Planning and Administration. This will teach concepts of community and major problems in planning and administering community systems of government and human services.

"Since the College's beginning in 1968, one operating principle has been that some kind of educational experience or core of learning should be common to all students," Dr. Vallance explains.

The reorganization of the College into eight major programs and the interdisciplinary work being encouraged between faculty in each program has both sharpened the perception of the need to provide such a core and afforded an opportunity to develop it.

Faculty/Staff Alerts

Benefits statement out

All regular full-time faculty and staff members who received a paycheck in September were mailed a personalized statement highlighting the major provisions of the comprehensive program of benefits which the University provides for them and their families. The information shown on the statements reflects data as of Jan. 1, 1982.

President Oswald requested that these statements again be provided to faculty and staff members to inform new employees about their benefits and to update information for all faculty and staff members.

The individual statements, which were mailed to office addresses, provide basic information on group life insurance, retirement, social security, accidental death and dismemberment insurance, disability benefits, worker's compensation, and health care coverage to include hospital/surgical, major medical, dental and vision. Also, an estimated dollar value of the benefits is provided on each statement. It should be noted that this estimated value does not include the significant cash value for use of athletic facilities, athletic event discounts, tuition reductions, and paid time off for sickness, death in family, jury duty, vacations and holidays.

Faculty or staff members who have questions about their statements should contact the Employee Benefits Division at 865-1473.

University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Feb. 11 — 28

Special Events

Thursday, Feb. 11

Late drop deadline.

Lincoln Celebration with the Penn State Wind Ensemble, Penn State Orchestra, and the Penn State Glee Club, 7:45 p.m., Eisenhower Auditorium.

Kern Classics, Arthur, 7 and 9 p.m., 112 Kern. American Nuclear Society lecture, "The Energy of Fusion Energy Program," 7:30 p.m., 101 Chambers. John F. Clarke, deputy associate director for fusion energy, Dept. of Energy, on "The United States Magnetic Fusion Energy Program."

Friday, Feb. 12

Association of College Unions-International Region 4 Recreational Tournament, 9 a.m.-11 p.m., HUB Ballroom. Spectators invited. Also Feb. 13.

Faculty Women's Club Pot-Luck Dinner and Social Hour, 6:30 p.m., Walnut Bldg. Reservations: 238-2713

Cine-mattheque, Kanal, 7 and 9:15 p.m., 121 Sparks. Also Feb. 13.

Commonplace Coffeehouse, 8 p.m., 102 Kern. Sports: Bowling, ACU Regional Championships. Also Feb. 13.

Saturday, Feb. 13

Chair-Caning Workshop, Shaver's Creek Environmental Center, 10 a.m.-4 p.m. Information: 865-1851.

Cross-Country Ski Workshop for Beginners, Shaver's Creek Environmental Center, 10:30 a.m., Stone Valley.

Artists Series, Frederica von Stade, mezzo soprano, 8:30 p.m., Eisenhower Auditorium.

Sports: Ice Hockey, PSU Nitany Lion

Invitational. Also Feb. 14. Basketball (women) vs. George Washington, 2 p.m., and vs. Pittsburgh, 7:30 p.m.; Swimming (women) vs. West Virginia, 1 p.m.; Wrestling vs. Pittsburgh, 7:30 p.m.

Sunday, Feb. 14

Recital, Trina Baker, bassoonist, 3:30 p.m., Music Bldg. Recital Hall.

Jazz Ensemble concert, 8:30 p.m., Music Bldg. Recital Hall.

Sports: Wrestling vs. West Virginia, 2 p.m.

Monday, Feb. 15

Sports: Basketball vs. South Carolina, (women) p.m., (men) 8:10 p.m.

France-Cinema, De Broca, Up to His Ears, 7 and 9 p.m., 112 Kern.

Tuesday, Feb. 16

Comps. Lunches, 12:15 p.m., 204 HUB. Wendell Harris on "A Victorian Looks at Contemporary Criticism."

HPER lecture, 7 p.m., HUB Gallery Lounge. Dr. Peter R. Cavanagh, biomechanics, on "The Biomechanics of Sport."

East Asian Studies Panel Discussion, U.S.-China Relations: A Decade after Nixon's China Trip, 7:30 p.m., 101 Kern.

Artists Series film, Singin' in the Rain, 8 p.m., Eisenhower Auditorium.

Wednesday, Feb. 17

Commons Nootone Concert, "Rustical Quality Strong Band, Kern Lobby.

Graduate Council meeting, 3 p.m., 101 Kern. Interlandia folk dancing practice, 7:30 p.m., 106 White.

Chamber and Concert Choir, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Feb. 18

Registration deadline for National Teacher Examinations to be administered Feb. 20. Information: 181 Chambers.

Alard Quartet Concert, 1 p.m., Music Bldg. Recital Hall.

Kern Classics, Day of the Dolphin, 7 and 9 p.m., 112 Kern.

Sports: Wrestling vs. Bloomsburg, 7:30 p.m.; Gymnastics (men) vs. Northern Illinois, 8 p.m.

Friday, Feb. 19

Deadline for graduate students to submit petitions to Records Office to graduate in absentia in March.

Cine-mattheque, Gimme Shelter, 7 and 9 p.m., 121 Sparks. Also Feb. 19.

Interlandia folk dancing, 7:30 p.m., HUB Ballroom.

Commonplace Coffeehouse, 8 p.m., 102 Kern. Artists Series, Royal Winnipeg Ballet with Orchestra, 8:30 p.m., Eisenhower Auditorium.



School of Music, Composition Recital, 8:30 p.m., Music Bldg. Recital Hall.

Sports: Ice hockey vs. Ohio Univ., 9:15 p.m.

Saturday, Feb. 20

France-Cinema, Lelouch, A Man and a Woman, 7 and 9 p.m., 112 Kern. Also Feb. 22.

Sports: Bowling vs. Villanova, 1 p.m.; Swimming vs. Rutgers (women) 1 p.m.; (men) 4 p.m.; Basketball (men) vs. Memphis State, 1:30 p.m., (women) vs. Rutgers, 7:30 p.m.; Ice Hockey vs. Ohio Univ., 8 p.m.

Sunday, Feb. 21

Cross-Country Ski Workshop for Beginners, Shaver's Creek Environmental Center, 2 p.m., Stone Valley.

Sports: Bowling vs. Lincoln, 1 p.m. Recital, Barb Lanza, violin, 3:30 p.m., Music Bldg. Recital Hall.

Monday, Feb. 22

Div. of Learning and Telecommunications seminar, 3 p.m., 8 Mitchell. P.J. O'Connell, executive producer, Public Affairs, on "Observation Documentary."

Sports: Basketball (men) vs. Westminster, 8:10 p.m.

Tuesday, Feb. 23

Senate Council meeting, 1:10 p.m., 101 Kern. Women's Studies Colloquium, 7:30 p.m., 124 Sparks. Dr. Lynn Martin Haskin, asst. prof. of journalism, Delaware County, on "Sex-Typed Occupations: Assessment and Changes."

Wednesday, Feb. 24

Classes end. Deadline for undergraduates to submit petitions to Registrar's Office to graduate in absentia in March.

Deadline for signing Winter Emergency Loans, 108 Shields.

Thursday, Feb. 25

Final Exams through March 1.

Friday, Feb. 26

Sports: Wrestling, Eastern Wrestling League Championships. Also Feb. 27.

Saturday, Feb. 27

Sports: Bowling vs. Drexel, 1 p.m.

Sunday, Feb. 28

Sports: Bowling (men) vs. Capitol Campus, 1 p.m.

Sports: Bowling vs. Drexel, 1 p.m.

Sports: Wrestling, Eastern Wrestling League Championships. Also Feb. 27.

Saturday, Feb. 27

Sports: Bowling vs. Drexel, 1 p.m.

Sunday, Feb. 28

Sports: Bowling (men) vs. Capitol Campus, 1 p.m.

Sports: Bowling vs. Drexel, 1 p.m.

Sports: Wrestling, Eastern Wrestling League Championships. Also Feb. 27.

Saturday, Feb. 27

Sports: Bowling vs. Drexel, 1 p.m.

Sunday, Feb. 28

Sports: Bowling (men) vs. Capitol Campus, 1 p.m.

Sports: Bowling vs. Drexel, 1 p.m.

Sports: Wrestling, Eastern Wrestling League Championships. Also Feb. 27.

Saturday, Feb. 27

Sports: Bowling vs. Drexel, 1 p.m.



At left, paper cord weaving by David B. Van Dommelen. Right, "Modifications" a drawing by Richard Hamwi — both at Museum of Art.

Ranamukarahechi on "Potential for Double Cropping Soybeans in Central Pennsylvania."

Acoustics, 4 p.m., 75 Willard. Jeane V. Singer, Audiological and Hearing Aid Services, Inc., on "Everything You Always Wanted to Know About Running a Small Business in an Acoustic Field."

Friday, Feb. 12

Analytical Chemistry, 11 a.m., 333 Whitmore. Prof. John Cortez, Univ. of Pittsburgh, on "Ion-Selective Electrodes in Non-Aqueous Media."

Geography, 4 p.m., 319 Walker. Jack Sparks and Jeff Kern, Resource Technologies Corp., on "The Federal Procurement Process."

Monday, Feb. 15

Geosciences, 3:45 p.m., 22 Deike. Dr. R.A. Wiebe, Dept. of Geology, Franklin and Marshall College, on "Magmas and Magma Mixing of the Naime Complex, Labrador."

Entomology, 4 p.m., 204 Patterson. Stephen K. Wikel, School of Medicine, Univ. of South Dakota, Vermillion, on "Host Immune Responses to Ectoparasite Infestation."

MCB, 4 p.m., 101 Althouse. Bruce C. Kline, Mayo Foundation, on "A General Look at Plasma DNA Replication."

Tuesday, Feb. 16

MCB, 11 a.m., 101 Althouse. Bruce C. Kline, Mayo Foundation, on "The Genetics of Plasmid F. Replication and Partitioning."

Biology, 11:10 a.m., 8 Mueller. Dr. Stanley Fowler, Rockefeller Univ., on "A Unique Cholesterol and Phospholipid Storage Disorder in Balb/C Mice."

Ag. Greenhouse, 2:20 p.m., 301 Ag. Adm. Panel discussion on "Extrapolation of Greenhouse Results to the Field."

Water Pollution Control, 2:20 p.m., 271 Willard. James Stratta, Air Pollution Engr., Div., U.S. Army Environmental Hygiene Agency, on "Nitritification Enhanced Through pH Control with RBC's."

Health Planning and Administration, 3:30 p.m., S-204 Human Dev. Jeff Kerr on "The Relationship Between Corporate Strategies and Executive Rewards."

Plant Pathology, 3:55 p.m., 213 Buckhout. Sheryl Horne on "Hartig-Classic #12."

Materials Science, 4 p.m., 112 Walker. Z. Mudamuri on "Coal Maceral Reactivities in Liquefaction; A. Safari on "Perforated PZT Composite."

Chemistry, 12:45 p.m., 333 Whitmore. Gregory Petsko, M.I.T., on "The Mechanistic Pathway of Ribonuclease-A at Atomic Resolution."

Adm. of Justice, 3:30 p.m., S-130 Human Dev. R. Richard Ritt, organizational behavior, on "Human Disservice Organizations."

Anthropology, 3:30 p.m., 107 Carpenter Building. John Mallory on "Craft Specialization at Copan, Honduras," and Elliot Abrams on "Excavation of an Elite Residential Group at Copan, Honduras."

Physics, 3:50 p.m., 445 Davey Lab. D. Lichtman, Univ. of Wisconsin, on "Surface Analysis Applied to Air Pollution."

Agromony, 3:55 p.m., 111 Tyson. John

Cardina on "Potential for Weed Control by Allelopathy;" Brian Carter on "Genesis of the Argillite Horizon."

Acoustics, 4 p.m., 351 Moore. Paul Zawadzki, speech communication, on "Speech Synthesis with Microcomputers."

Friday, Feb. 19

Geography, 4 p.m., 319 Walker. Ronald Eytan, geography, on "Remote Sensing of Urban Snow Scenes."

Monday, Feb. 22

Entomology, 4 p.m., 204 Patterson. George A. Husey, State Leader, PSU Extension Data Systems, on "Role of Computers in Agriculture in PA."

MCB, 4 p.m., 101 Althouse. Jeffrey Lemontt, Biology Div., Oak Ridge National Lab, on "Cloning in Yeast: Applications to Studies of DNA Repair and Mutagenesis."

Tuesday, Feb. 23

MCB, 11 a.m., 101 Althouse. Jeffrey Lemontt, Biology Div., Oak Ridge National Lab, on "Isolation of DNA Repair Genes."

Water Pollution Control, 2:20 p.m., 271 Willard. Richard G. Luthy, Civil Engr. Dept., Carnegie Mellon Univ., on "Removal of Organic Contaminants from Coal Conversion Wastewaters."

Plant Pathology, 3:55 p.m., 213 Buckhout. Laurie Movell on "Woronin-Classic #4."

Materials Science, 4 p.m., 112 Walker. K.L. Lin on "Interfacial Charge and Mass Transfer in the Liquid-Liquid Extraction of Metals;" J. Rapp on "The Mechanical Properties of Oxynitride Glass."

Exhibits

Chambers Gallery: 5th Annual Burk/Hartwick Glass Exhibition, through Feb. 25; Saturday Morning Art School Exhibition, Feb. 26 and 27.

HUB Art Gallery: Photo-Journalism Undergraduate Exhibition, The Gallery, through Feb. 24.

Henry Blessing, Architectural Photography, The Gallery, through Feb. 24.

PSU Ski Team Exhibition, Art Alley, through Feb. 24.

Kern Gallery: Shirley and Bruce Siegenthal, art and wood, through Feb. 25.

Jane Kintzer, weavings, through Feb. 26.

Museum of Art: American Paintings Before World War II, from the permanent collection, through Feb. 14.

Richard Hamwi, works on paper.

David Van Dommelen, 25 Years of Fiber Art: Director's Choice, selected works from the Museum's collection, opens Feb. 14.

Pattee Library: Rare Books Room: "The Last Experience" featuring the work of artist John Biggers.

Second Floor, East Pattee and Main Lobby: Roger Seich, pottery, and Janis Merzhon, weaving, through Feb. 16. Terry Johnson, recent work, opens Feb. 16.

East Corridor: John Mahoney, drawings. Lending Services Gallery: Rebecca Postell, paintings, through Feb. 18. Becky Mast, drawings, opens Feb. 18.

Penn State Intercom

Barash, Donkin, Wilkinson prize names asked

President Oswald has appointed a general committee chaired by Steve A. Garban, vice president and controller, to coordinate the solicitation of nominations for three all-University awards — the McKay Donkin Award, the John E. Wilkinson Award for Administrative Excellence, and the Barash Award for Human Service.

As in previous years, three subcommittees will screen nominations and develop recommendations for the respective awards. Members of the Wilkinson Award Subcommittee are: Rosemary Schraer, associate provost, chairperson; Dean James B. Baroo, Graduate School; Doris M. Seward, executive assistant to the President; and Ralph E. Zilly, vice president for business. Members of the Donkin Award Subcommittee are: Ray T. Fortunato, assistant vice president for personnel administration, chairperson; Dean Stuart Forth, University Libraries; and Caralynne Schengrund, associate professor of biological chemistry, Hershey.

For the Barash Award, the subcommittee members are: Henry L. Yeagley Jr., assistant vice president for the physical plant, chairperson; Martha Adams, assistant dean for resident instruction, Health, Physical Education and Recreation; State College rector William Leonard; James R. Palmer, president, C-COR; and students Mary Beth O'Brien and Richard S. Gorodetsky.

Nominations for the 1982 awards are encouraged from either organizations or individuals in both the University and the community and are to be sent to Mr. Garban, Room 408 Old Main, no later than March 19, 1982. The supporting information which accompanies nominations should be as brief as possible and must emphasize those qualifications and activities relevant to the particular award for which the individual is being nominated. A brief description of the qualifications for each award follows:

(Continued on page 5)

Course changes urgently needed

The Senate Committee on Curricular Affairs has made an urgent appeal to the Colleges to submit their new and revised courses and programs for the semester system convention.

Although the deadline for submission is April 23, to date, the Senate Office has received very little material, according to Committee Chairman Richard M. McClure, who points out that if everyone waits until the deadline, there will not be enough time for the committee to review and approve changes for inclusion in the 1983-84 catalogs.

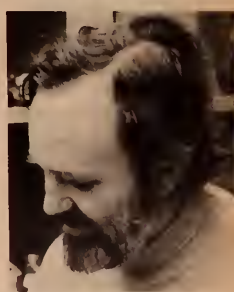
The Committee particularly needs materials for the "basic six" courses, which affect all programs at the University, as soon as possible. Changes should be sent to the Senate Office in Birch Cottage.



Dr. Mahoney



Dr. Santen



Dr. Cross

Three to receive Faculty Scholar medals

Three members of the faculty will receive the Faculty Scholar Medal for 1981-82 at Winter Term Commencement on March 6.

They are Richard J. Santen, professor of medicine and chief of Endocrinology at Hershey, in the area of Life and Health Sciences; L. Eric Cross, professor of electrical engineering and associate director of the Materials Research Laboratory, in Physical Sciences and Engineering; and Michael Mahoney, professor of psychology, in Social and Behavioral Sciences.

The award was established in 1980 to recognize scholarly or creative excellence represented by a single contribution or a series of contributions around a coherent theme. The attainment for which the candidate is honored must have occurred during the three years preceding the nomination for the award.

The author of 110 papers dealing with fundamental aspects of reproductive endocrinology and medical treatment of breast cancer, Dr. Santen has done pioneering work in the development of hormonal therapy for patients with advanced breast cancer.

Breast cancer is the most common malignant neoplasm in women. The American Cancer Society estimates that there will be 111,000 new cases in 1981 and 37,100 deaths from this cancer in the United States; approximately one out of 11 women will develop breast cancer.

Lesions localized to the breast have an excellent prognosis (five-year survival of 85 percent), but lesions with distant spread (e.g., with metastases to the lung, bone or liver) carry a poor prognosis (five-year survival of 10 percent).

During the past 20 years it has been shown that surgical removal of the pituitary or adrenal glands promotes tumor regression in 40 to 60 percent of patients with advanced breast cancer. This improvement relates to a decrease in estrogen production in those patients who have estrogen sensitive tumors. Major surgery in patients with advanced malignant disease carries a high risk, however, and may require extended hospitalization.

In a series of basic studies, Dr. Santen focused on suppression of adrenal steroid production by chemical inhibitors and developed an effective non-toxic medical treatment program — "medical adrenalectomy" — for patients with advanced breast cancer. He then designed controlled clinical trials which showed that "medical adrenalectomy" is as effective as surgical adrenalectomy and leads to sustained remissions and improved quality of life in more than 50 percent of patients with advanced breast cancer.

A member of the faculty since 1971, Dr. Santen graduated from Holy Cross College and received his M.D. from the University of Michigan in 1965. His

postgraduate training in medicine and endocrinology was obtained at Cornell University, Michigan and the University of Washington.

Described by colleagues as providing "the nerve center for research on ferroelectrics in the United States," Professor Cross has developed one of the most important schools of research into ferroelectric and related materials in the world. Post graduate and doctoral students from many countries seek the opportunity to work with him, and he is recognized as one of the leading exponents of the theory and practice of electrostrictive materials and the wider application of thermodynamic theory to ferroelectric materials and their solid solutions.

Dr. Cross has also been hailed for his successful guidance of technology transfer to the industrial arena, where he has been a major force in the development of the first industrially practical electrostrictive devices.

A research manager for a leading optical system company indicated that "the development of deformable mirrors for our adaptive optics systems could not have been successful without Dr. Cross's continued and knowledgeable support over the past three years."

"We owe to his research and his guidance of our own work the development of both the electrostrictive materials and the associated actuator

(Continued on page 7)

Alumni Fellows to visit in Spring

Nine prominent Penn State graduates have been designated 1982 Alumni Fellows, one of the highest honors the University can bestow.

They will visit the University at various times as guests of the Alumni Association during the Spring Term to meet formally and informally with students, faculty members and administrators.

The 1982 Alumni Fellows and the Colleges they will visit are:

- Thomas J. Anderson Jr. of Medford, Mass., composer and professor of music at Tufts University and a 1951 graduate, College of Arts and Architecture;
- Peter M. Banks of Palo Alto, Calif., director of the Radio Science Center at Stanford University and a 1965 Ph.D., College of Science;
- Robert DeVitt Chapman of Greenbelt, Md., associate chief of the NASA Laboratory for Astronomy and

Solar Physics and a 1959 graduate who attended Behrend College for two years, Behrend College;

- Edward R. Hintz Jr. of New York City, president of Hintz and Hokman, Inc., and a 1959 graduate, College of Business Administration;
- Elizabeth S. Kelly of Alexandria, Va., senior planning and allocations consultant for the United Way of America in Alexandria and a 1969 graduate, College of Human Development;
- Howard G. Knuttgen of Boston, chairman of the Department of Health Sciences at Boston University and a 1953 recipient of a Penn State master's degree, College of Health, Physical Education and Recreation;

- Emiko Iwashita Kudo of Honolulu, Hawaii, former deputy superintendent of education for the Hawaii Department of

(Continued on page 6)

Student phonathon raises \$98,000

University alumni pledged approximately \$98,000 during the seventh annual Winter Phonathon, which ended Feb. 18.

For 20 nights, student volunteers representing their Colleges, honorary societies and service clubs kept as many as 26 telephone lines humming. The phones were supplied by the Office of Gifts and Endowments.

Last year, a comparable Phonathon raised some \$64,000.

"In looking at the figures, it's important to remember that the number of volunteers, the number of telephone lines available and the number of nights scheduled by a College affect the number of pledges," Cynthia Tift, assistant director of annual giving, says. "Some nights, two Colleges shared phone lines, based on the availability of callers and of

(Continued on page 7)

Penn Staters

The University's Institute for the Arts and Humanistic Studies has awarded research fellowships for summer and fall 1982 to nine faculty members, according to Dr. Stanley Weintraub, Institute director. The recipients and their projects are:

— Dr. John Bryant, assistant professor of English (Shenango Valley), research for a book in progress, "Comedy and the Rhetoric of Living in American Fiction."

— Thomas Getz, assistant professor of English (York), study of the interaction of portraiture and self-portraiture in literature; "The Self-Portrait in the Portrait."

— Dr. Harlan Hoffa, professor of art education, studies in the National Art Education Archives, relating art education to the performing arts.

— Dr. Augustus Kolich, assistant professor of English, research and study of manuscripts of unpublished and uncollected *Pateron* poems of William Carlos Williams.

— Dr. Helen Manfull, associate professor of theatre and film, research for a biography of musical comedy composer Lorenz Hart.

— Dr. Bruce Murphy, assistant professor of political science, a political study of the Lyndon Johnson-Albete Fortas relationship.

— Diane Pepe, assistant professor of art, creative work in drawing and painting.

— Dr. Judith Stephens, assistant professor of speech communication (Schuylkill), research and study on an aspect of the literary feminine stereotype — the demon-angel dichotomy — and its prominence in modern American drama.

— David Van Dommelen, professor of art education, creation of a series of tapestries based on traditional draft patterning, utilizing a multi-harness loom.

Two Behrend College faculty members, Dr. Dean Baldwin and Dr. Chester Wofford, both assistant professors of English, have been selected as recipients of National Endowment for the Humanities (NEH) fellowships. Dr. Baldwin will use his award to complete a biography on British author H.E. Bates. Dr. Wofford will study impressionism in turn-of-the-century American literature and its effect on human consciousness.

Dr. Stephen J. Fonash, professor of engineering sciences, has been invited lecturer at the International Workshop on the Physics of Semiconductor Devices. The workshop, held in New Delhi, India, was sponsored by UNESCO. Dr. Fonash spoke on "Barrier Formation and Transport in Heterojunctions and Schottky Barrier Type Structures."

Dr. Don N. Page, assistant professor of physics, presented a theoretical physics seminar at Columbia University Feb. 15. He discussed "Is Black Hole Evaporation Predictable?"

Dr. Wilbur Zelinsky, professor of geography, recently lectured at SUNY-Albany and Cornell University on "Oh Say, Can You See? The Impact of Nationalism on the American Landscape." He has also been named to the editorial board of *Discussion Papers in Geolinguistics*, a new journal.

Dr. Howard B. Palmer, professor of energy science and associate dean of the Graduate School, recently presented an invited paper at the NATO Conference on Soot in Combustion Systems held in Obernai, France. The paper, of which Dr. Palmer was a co-author, was entitled "Chemistry of Intermediate Species in the Rich Combustion of Benzene." Dr. Palmer also visited the University of Göttingen, West Germany, where he lectured on the spectroscopy and photon production in chemiluminescent, low-pressure flames.



Dr. Joseph M. Lambert, assistant dean of Commonwealth Campuses and continuing education in the College of Science, has been named associate professor of computer science and mathematics and head of the Department of Computer Science. He will continue to serve as assistant dean until a replacement is named.

Dr. Lambert has served as acting head of computer science since 1980 and assistant dean since 1979. A member of the mathematics faculty since 1970, he has taught at the York and Berks Campuses, as well as at University Park.

During the 1977-78 academic year, he was visiting associate professor of mathematics at the University of Tennessee.

A researcher in abstract approximation among other topics, he is referee for the *Journal of Approximation Theory* and for research proposals to the National Science Foundation and a reviewer for *Mathematical Reviews*.

A frequent contributor at professional meetings and to scholarly journals, he is the author of the chapter entitled, "The Theory of Nearest Deviators," in the book, *Approximation Theory III*, published by Academic Press in 1980.

Dr. Robert F. Custard, patent counsel of the University, has been elected to the Board of Trustees of the Society of University Patent Administrators (SUPA) to serve until 1984. He has also been reappointed as chairman of the SUPA Copyright Committee covering the areas of copyrights, computer programs, technical data, and trademarks.

Raymond J. Masters, lead research programmer in the Computation Center, is part of an architectural design team awarded a 1981 Certificate of Merit from *Progressive Architecture*, a professional magazine. The team received the award for its "Mid-town Zoning Proposal for Manhattan." The proposal, to become New York zoning law in March, requires that buildings allow specified amounts of daylight, as measured by computer, to reach street level.

Mr. Masters developed the principal component of the system, a new method of using computers to calculate the impact of buildings on the amount of daylight reaching city streets. The computer system can also evaluate proposed building projects before they are begun, thereby allowing architects to make needed adjustments.

Dr. L.A. Morley, professor of mining engineering, is now chairman of the Process Industries Department of the Institute Applications Society of the Institute of Electrical and Electronic Engineers. He is the first university faculty member ever elected to the position, which has always been held by members of industry. The Process Industries Department is the largest technical group in the Society. Dr. Morley also serves on the Society's Advisory Committee.

Dr. Philip S. Skell, Evan Pugh Professor of chemistry, presented a colloquium at the University of Colorado Feb. 27. He discussed "Excited State Free Radicals in Thermal Reactions."

Dr. Richard L. Barton, associate professor of speech communication, has been awarded a research and travel grant by the Canadian Government to investigate the way selected forms of nonfiction Canadian broadcast content reflect Canadian national identity. Dr. Barton will be in Canada from September to December 1982 for the project.

Dr. Craig F. Bohren, associate professor of meteorology, recently gave an invited lecture in the Department of Physics and Atmospheric Science at Drexel University. His topic was "Plasmons and Phonons in Small Crystals: Applications to Atmospheric Aerosols."

James W. Kelz, professor of education and director of the Rehabilitation Education Program, has been appointed to the State's Executive Planning Panel for the Office of Vocational Rehabilitation. The panel will address the challenge of providing services under the constraints of future funding services and will examine how services can more effectively meet the overall vocational rehabilitation needs of the severely handicapped.

Paul West, professor of English and comparative literature and Fellow, IAHS, recently served as fiction judge for the Creative Artists Program Services, New York City. Fifteen fellowships were awarded to fiction writers, as well as fellowships in poetry, film and other media.

John Cook, professor of art, has designed a medal issued this month by the Society of Medalists. Since 1930, the Society, which encourages fine medalic work, has issued two medals annually, each designed by a distinguished American sculptor. Mr. Cook's bronze medal, which uses a Latin couplet from Cicero's *Pro Placco*, "Ingenua Levitas et Erudita Vanitas," deals with the opposition of the dionysian and apollonian aspects of man's nature.

Dr. Richard E. Tressler, professor and chairman of the ceramic science and engineering program, is currently serving as a member of the Materials Research Advisory Committee, the body which reviews activities of the Division of Materials Research of the National Science Foundation.

Blaine R. Parkin, director of the Garfield Thomas Water Tunnel and professor of aerospace engineering, has been named a Fellow of the American Society of Mechanical Engineers.

A paper co-authored by Dr. David Lynn Passmore, associate professor of vocational education, has been honored as "the outstanding research paper for 1981" by the American Vocational Education Research Association. The paper — titled "Chances of Job Loss Among Teenagers and Young Adults" and written by Dr. Passmore and former graduate student Borden M. Emshoff — was presented at the Association's 1981 meeting.

Dr. Michael W. Ecker, assistant professor of mathematics at Worthington Scranton, has been appointed problem section editor of the American Mathematical Association of Two Year Colleges Review.

Dr. Raymond G. Ayoub, professor of mathematics at University Park, and Dr. Roy E. Myers, associate professor of mathematics at New Kensington, are the first winners of the new Teresa Cohen Mathematics Service Awards. The annual awards were established this year by the Department of Mathematics to honor faculty members who have contributed greatly to the department and its students. Selection is made by the combined mathematics policy committees from all of Penn State's campuses.

Dr. Cohen, professor emerita of mathematics, for whom the awards are named, has been teaching mathematics at the University for 62 years — the last 20 as an unpaid volunteer tutor. She officially "retired" in 1962 and celebrated her 90th birthday on Feb. 14.

Dr. Ayoub was cited for his long

history of generous service. A member of the mathematics faculty since 1952, he served as department head from 1968-71. He was instrumental in the 1960s in the establishment of a special sequence of courses designed for students in non-mathematical fields, and, more recently, developed a weekly workshop for graduate assistants in which he demonstrates teaching techniques.

Dr. Myers was honored for his innovative use of the microcomputer as a teaching tool. He uses the microcomputer's graphic capability as an "electronic blackboard," drawing pictorial representations of equations. His approach has been made available to other teachers through two "software" packages marketed by CONDUIT, a leading source of computer teaching aids. A member of the New Kensington faculty since 1968, Dr. Myers served as acting associate director of the campus from 1977 to 1978.

Bookshelf

Transportation is the title of a new book by John J. Coyle, professor and head of business logistics; Joseph L. Cavinato, associate professor of logistics; and Edward J. Bardi of the University of Toledo.

This basic transportation textbook, issued by West Publishing, St. Paul, Minn., also presents key managerial and financial facets important to the actual functioning of firms in the field. These include:

- Specific coverage of each mode of transportation (rail, motor, water, pipelines, air, urban and metropolitan) and their economics, primary operational features, managerial problems and current trends;

- Inter-city passenger movement options available today, along with the often misunderstood role of the travel agent;

- Special carrier forms such as shipper associations, shipper's agents, agricultural co-ops, express and courier services, as well as the lumber problem found at city terminals;

- International transportation, focusing on the liner and tramp ship industries, overseas airlines and the role of port authorities;

- The new role of the traffic manager;
- Planning and financing transportation systems in both private firm and public agency settings;

- The role of private carriage;
- Carrier organization and terminal managements and the various strategies employed by firms in quest of providing quality services while attaining adequate profits;

- National Transportation Policy and how it is formed and applied; and
- Transportation as it is shaped by and will affect the population and economic activity now and in the future.

A recently published book, *The Theory of Vibrational Spectroscopy and its Application to Polymeric Materials*, is the work of three authors, two of them members of Penn State's polymer science faculty.

The authors are Dr. Paul C. Painter, associate professor of polymer science; Dr. Michael M. Coleman, chairman of the University's polymer science program and associate professor; and Dr. J.L. Koenig, of Case Western Reserve.

The book, published by John Wiley, is described as the first integrated presentation of vibrational spectroscopy theory as applied to polymeric materials. Developments in vibrational spectroscopy, it is pointed out, are occurring at a rapid rate due to the impact of lasers, new detectors, interferometers and computers. To take advantage of these experimental developments, the spectroscopist must have a fundamental understanding of the vibrational processes in polymers, and that is provided by this book.

Partings

Although he had no specific plans for his retirement, Gerald R. Trostle knew one thing for certain: "I'm going to be busy," he stated. "And I won't get another 8 to 5 job. Thirty-five years of that is long enough." Jan. 1 marked his retirement as coordinator-inspector in Maintenance and Operations.

Helping to keep him busy will be his favorite pastimes of fishing and hunting turkeys during the two-week season in October. Mr. Trostle has shot a total of 19 turkeys and is an avid collector of such turkey-related objects as decanters and sketches, and is a member of the Wild Turkey Federation. He's also active in the Pine Grove Mills Men's Chorus.

Mr. Trostle joined the University in 1946 as a laborer in Landscape. In 1948, he became a chain and rod man for the survey crew and was later made an instrument man. Through assisting a man who worked with locks and keys, he became a hardware coordinator and was then promoted to supervisor of locksmiths. In 1960, Mr. Trostle transferred back to Landscape as a landscape maintenance foreman.

"I enjoyed my job in Landscape best," he noted, "because I really enjoyed landscaping — trees, shrubbery — that sort of thing."

Mr. Trostle became a coordinator-inspector in 1966. His responsibilities include estimating maintenance work, making technical analyses, inspecting work for quality and quantity and — an important aspect of his job — maintaining customer-University contact.

Mr. Trostle's wife, Miriam, is a part-time employee in Food and Housing in Human Development. One of the couple's daughters, Vicki, graduated from Penn State in 1973 with a B.S. from the College of Human Development.

Paul Rider feels that he's always worked with "a good bunch of people" who have given "a lot of help and on-the-job training." But it's not only his supervisors and co-workers who have given that necessary help. The practical skills and experience that Mr. Rider has imparted to University students and inmates from Rockview Correctional Institution during his 35-year career will be missed as he retires as an experimental and maintenance mechanic in Engineering.

He first helped to instruct students when he joined the Department of Industrial and Management Systems Engineering as a technician in the metal casting lab. He later worked in the metal joining lab of that same department where he assisted in teaching various manufacturing processes such as welding and forging. He also assisted in all other industrial labs, maintaining and preparing equipment.

During the early 1970s, he took part in the Forestry Program, a two-year program providing vocational training in a variety of subjects for Rockview inmates. In this program, he aided professors in teaching a ten-week, 60-hour course in welding and machine shop operation.

Mr. Rider joined the Penn State staff in 1947 as a mail clerk in West Halls and later in Nittany-Pollack residence halls. He transferred to the Department of Industrial and Management Systems Engineering in 1957, where he spent the next 25 years.

In his spare time, Mr. Rider plans to "putter around the house" and do a lot of camping at the Black Panther Camping Club in Coburn of which he is a member. He presently lives in State College with his wife, Virginia. They have one daughter, Dianne, and are the proud grandparents of one grandson, Greg.

If one word was used to describe Velva Markel as an employee, Jeanne Smith, dietician and facilities supervisor at Ritenour, contends it would be "dependable." "Velva has always been very dependable, very faithful," Mrs. Smith states. "With her being on the early shift, I never had to worry. I could always count on her being there."

After 22 years of service, Mrs. Markel, helper in the Health Center, eagerly awaited her Feb. 3 retirement. "I've worked so much during my life that I'm really looking forward to being home," she said.

Mrs. Markel was first employed at the University in 1960 as a counterwoman in Pollock Circle, later transferring to Johnston Hall. She began her job at Ritenour in 1967, remaining there for 15 years.

As a helper at the Health Center, Mrs. Markel "helped out where needed," but was primarily responsible for taking care of special diets given to patients on the early shift.

She and her husband, Robert, along with their two dogs, Peaches and Pepper, live in Pleasant Gap. Mr. Markel is also a Penn State employee who works in Vending for East Halls.

Working is one "hobby" that Leo K. Nearhoof, painter in Physical Plant, still intends to pursue during his retirement. "I don't know if you'd classify working as a hobby, but I won't stop just because I retired Feb. 1," he says. "I didn't intend to quit working. I only decided to retire a year earlier so I could enjoy life sooner."

Other hobbies that will add to that enjoyment will be hunting wild turkey and deer and trout fishing in local county streams. Mr. Nearhoof also plans some travelling "within the family" to a daughter in Maryland and a son living near Lancaster. Otherwise, he notes, "the only travelling I'll be doing will be around the woods and in the streams."

Mr. Nearhoof spent his 21 years of service as a painter in Physical Plant, "working outside in the summer, inside in the winter." Since 1961, his job took him all over the ever-changing campus. "With painting, I'd been in a good many of the buildings," he says, "but still in 21 years, there were a few surprisingly that I hadn't been in."

He and his wife, Verna, an attendant at White Hall, live in Port Matilda. They have four children — Shirley, Sharon, James and Janice — and are the grandparents of seven grandchildren.

George N. Emerick, an experimental and maintenance mechanic in the College of Agriculture, retired Feb. 1. He joined the staff in 1965.

Letty M. Mason, a janitorial worker in Physical Plant since 1969, will retire March 1.

Cheryl Lucas, a secretary in the Office of the University Registrar, left the University Jan. 1 after service beginning in 1970.

Josephine Rosenberg, assistant to the Dean of Student Affairs at Schuylkill, left the University Jan. 1. She had joined the staff in 1965.

Promotions

Staff Exempt

Jacqueline K. Greene to accountant-student loans in Controller's Office. Theresa Helmer to area representative-Continuing Education at Hershey. Janis Spalvins to architect in Physical Plant.

Susan G. Warren to financial aid coordinator-wage monitoring in Student Administrative Services. Gerald D. Wilson to assistant housekeeping supervisor in Housing and Food Services.

Clerical

Darla Franks to secretary C in Graduate School.

Patricia A. Harter to clerk typist A in Engineering.

Sabrina C. James to secretary C in Science.

Mary A. Kennedy to secretary B in Research and Graduate Studies.

Janice Ann Lovette to secretary C in Continuing Education.

Kaye L. Musser to clerk, stenographer A in Registrar.

Donna C. Nicely to secretary A in Engineering.

Janet L. Page to clerk, expeditor A in Business Services.

Donna L. Powell to inpatient billing clerk at Hershey.

Dianne L. Rossman to secretary B in Registrar's.

Jean M. Selva to secretary in Business Administration.

Elizabeth Worman to clerk typist B in Engineering.

Technical Service

Robert Bierly to maintenance worker, utility, in Physical Plant.

Timothy Bierly to maintenance worker, utility, in Physical Plant.

Frank A. Danko to maintenance worker in Physical Plant.

Joan H. Daugherty to meat cutter B in Housing and Food Services.

Thelma E. Fetterolf to janitorial worker in Physical Plant.

James H. Gummo to mechanic, experimental and maintenance A, in Agriculture.

Leroy M. Inhoff Jr. to machine operator in Housing and Food Services.

Richard Korman to carpenter A in

Physical Plant.

Raymond Lane to boiler operator in Physical Plant.

Lynne E. Perryman Jr. to meat cutter A in Housing and Food Services.

Ronnie Rogers to maintenance worker, utility, in Physical Plant.

Ronald E. Schaeffer to operating mechanic in Physical Plant.

Donna L. Shawley to offset duplicator operator in Controller's Office.

Kenneth Smith to maintenance worker, utility, in Physical Plant.

George A. Spicer to meat cutter B in Housing and Food Services.

Mary C. Watkins to group leader, janitorial, in ARL.

Carpooler

Jeanie Ghaner needs a ride from Continental Courts (Buffalo Run toward Bellefonte) to the University. She works from 8 a.m. to 5 p.m. at the Grange Bldg. and can be reached at either 355-1836 or 865-7679.

Obituaries

Dr. John C. Johnson, University research professor of acoustics and director of the Applied Research Laboratory from 1959 to 1981, died Feb. 20. He was 61 years old.

Dr. Johnson stepped down from directing the ARL last year to devote more time to program development and research. His research interests, on which he published numerous articles and reports, included ultrasonics, underwater acoustics, emission spectroscopy, noise control, seismology, high-temperature measurement, atmospheric acoustics, architectural acoustics and mass spectroscopy.

Under Dr. Johnson's ARL directorship, the Laboratory maintained leadership in technological developments for the U.S. Navy through acoustic systems and noise reduction techniques.

A 1942 graduate of Culver-Stockton College, Dr. Johnson received his M.A. degree and Ph.D. in physics from the University of Michigan. Prior to coming to Penn State in 1959, he was head of the Acoustics and Seismics Laboratory at Michigan from 1954 to 1959. From 1950 to 1954, he was a research physicist at Michigan.

George E. Bubb, a dining hall worker in Housing and Food Services from 1965 to 1975, died Feb. 3 at the age of 69.

Leo J. Carroll, a meat cutter with Housing and Food Services from 1964 to 1975, died Feb. 14 at the age of 67.

Harry C. Hess, a heating and ventilating mechanic at Mont Alto who retired last August on disability after serving since 1976, died Feb. 15.

Pearl A. Plummer, a counterwoman in Housing and Food Services in 1960-61 and a clerk in Student Affairs from 1961 until her retirement in 1978, died Feb. 4 at the age of 68.

Six faculty and staff members observe 25 years at the University

Observing 25 years of University employment are (from left to right): Barbara R. Kautz, research associate and technical editor in the Computation Center; Roy L. Henry, student parking and traffic regulations coordinator in the Office of Student Affairs; Dora G. Ream, administrative assistant at York Campus;

Leon Marshall, research aide in the College of Agriculture; Dorothy L. Borden, assistant professor of mathematics; and Merle W. Wilson, toolmaker in the machine shop of the College of Earth and Mineral Sciences.



News in Brief

Dartmouth sociologist to speak March 12

Dr. Elise Boulding, who holds the chair in sociology at Dartmouth College, will speak on "The Invisibility of Women in Development: Breaking the Perceptual Barriers" at noon Friday, March 12, in the HUB Assembly Room.

Dr. Boulding is the keynote speaker for the March 12 forum on "Research Methodology for the Study of Women in Development," sponsored by the University Committee Concerned with Women in International Development. The public is invited to attend her talk.

Author of *Women in the 20th Century* and *The Underside of History*, Dr. Boulding is noted for her strong position on the worth of women's contributions to society and the need to recognize women as full partners in world development.

Aside from Dr. Boulding's address, the forum will also feature a talk by Dr. Constantina Safilios-Rothschild, professor of human development at Penn State and author of *The Role of Women in Modernizing Agricultural Systems*. Her talk, "Hard Questions and Hard Data about Women in Development," will begin at 9 a.m. March 12 in Room 203 Keller Building.

During the one-day forum, task force members invited from various universities and international agencies will discuss and devise methodological recommendations for the study of women in development in such subject areas as: food production, population and family planning, home economics, employment, intervention, education and family structure. Working sessions, to be held in Keller Building, will open with a brief presentation by each task force member. Interested persons are invited to observe the proceedings.

Further information about the forum may be secured from Dr. Carolyn E. Sachs, assistant professor of rural sociology, in Room 205 Weaver Building (865-0455).

English Department fund will honor Henry Sams

The University's Department of English has established a memorial fund in honor of Dr. Henry W. Sams, who served as department head from 1959 to 1972.

Dr. Wendell V. Harris, the present department head, said the memorial fund will make it possible for the department to reward distinguished achievement by undergraduate majors and members of the English Honors Program. It also will be used to enrich the undergraduate programs.

Dr. Sams, who died on Aug. 21, 1981, was head of the English Department during the years of its greatest expansion and development. He also served as associate dean of the Graduate School until his retirement with emeritus rank in 1977.

"A fund of this kind serves to his colleagues, friends and students an appropriate way to remember a teacher who wrote in his journal, 'There is nothing sentimental about the love of English. The moment we abandon our literature will mark the beginning of our end,'" Dr. Harris said.

Contributions, payable to the Henry W. Sams Memorial Fund, may be sent to the Department of English, Room 117 Burrows Building.

Kern schedule changed

During the Winter Term break, Kern Cafeteria will alter its regular 7 a.m. to 6 p.m. schedule.

The Cafeteria will be closed March 6 and 7. From March 1-5 and March 8-10, service will be available from 7 a.m. to 2 p.m.



Studebaker Service Building — Ken Hedrich photo

Architectural photography shown at HUB

Eighty photographs of buildings designed by the world's leading architects comprise the exhibition "Hedrich-Blessing: Architectural Photography," on display in the HUB Gallery through Sunday, Feb. 28.

The architectural photography firm of Hedrich-Blessing, founded in 1930 by Ken Hedrich and Hank Blessing, has documented the work of such great 20th-century masters as Frank Lloyd Wright, Marcel Breuer, Buckminster Fuller, Eileen and Eero Saarinen, John Holabird, John Portman, John Root, Mies van der Rohe and Skidmore, Owings and Merrill.

Included in the exhibition are photographs of Chicago's "tall buildings"

by Dankmar Adler and Louis Sullivan, as well as Kerk's House of Tomorrow and Holabird's and Root's searchlight-surrounded Chrysler Pavilion, both from the Chicago Exposition of 1933, "A Century of Progress."

A special section is devoted to a group of photographs from Hedrich-Blessing's "Signature/Exhibition" collection — vintage, mural-sized enlargements of significant projects by the company's most renowned clients. These murals, some of which measure over 30 x 40 inches, have been approved and photographed by the architect and then returned for the firm's archives.

Nominations sought for alumni directorship

Applications and nominations are being sought for the position of Executive Director of The Penn State Alumni Association.

The Executive Director is responsible to the Senior Vice President for Administration and to the Executive Board of the Alumni Association for planning, developing and executing viable programs of mutual benefit to alumni and the University, and supervising the staff necessary to carry out these programs.

The Executive Director is also responsible for keeping alumni well informed about the University and its alumni; fostering the active interest, support and involvement of alumni and the Association in University affairs; and encouraging acceptance of the University's goals and recognition of its achievements.

As a major qualification, three to five years of successful executive-level or Alumni Association experience are required. Graduation from a four-year

college or university with a minimum of a bachelor's degree is also required, as well as proven initiative and managerial and communication skills.

A nine-member search committee has been appointed to consider candidates for the position. It is chaired by Donald M. Cook Jr., of Cherry Hill, N.J. The other members are: Edward R. Book, Hershey, Pa.; Phyllis W. Crabtree, State College, Pa.; Harry A. Dorian, Villanova, Pa.; Edward V. Ellis, associate dean, Human Development; Jay H. Feldstein, Pittsburgh, Pa.; Irvin H. Kochel, assistant vice president for administration; Robert J. Scannell, vice president and dean, Commonwealth Educational System; and Jerry R. Wettstone, Shiremanstown, Pa.

The deadline for applications and nominations is May 1. They should be sent to: Executive Director Search and Screen Committee, 203C Old Main, Dept. 1-7, The Pennsylvania State University, University Park, Pa.

Robeson Center hosting prints, etchings by John Biggers

Prints and etchings from artist-educator John Biggers will be displayed on campus at the Paul Robeson Cultural Center until March 19.

A 1954 graduate of the University and 1972 Distinguished Alumnus, Mr. Biggers painted the Burrows Building murals while studying for his doctorate at Penn State. His murals also grace such buildings as the United Transport Workers' Labor

Temple in Chicago, Texas Southern University's Science Building and the Houston Public Library.

A painter, sculptor, graphic artist and muralist, Mr. Biggers was chosen by the Danforth Foundation as one of the 10 best teachers in the U.S. in 1968, when he received its E. Harris Harbison Award for Distinguished Teaching.

Conference homecoming for Penn State Ph.D.s

For Dr. Herschel W. Leibowitz, Evan Pugh professor of psychology at the University, this week's conference on "Vision as a Factor in Military Aircraft Mishaps" at the U.S. Air Force School of Aerospace Medicine, Brooks Air Force Base, Texas, is something of a homecoming.

Among the invited participants are four of his former graduate students, all Penn State Ph.D.s: Dr. D.A. Owens (Ph.D. '76), a psychology faculty member at Franklin & Marshall College; Dr. R.T. Hennessey (Ph.D. '72), head of the Human Factors Committee, National Research Council; Dr. C. Johnson, (Ph.D. '75), a faculty member in the Department of Ophthalmology, University of California at Davis; and Dr. R.B. Post (Ph.D. '81), a post-doctoral fellow also at UC/Davis.

Dr. Leibowitz himself is presenting an invited lecture in collaboration with Dr. Post on "Implications of Gaze Stability Mechanisms for Air Safety." Other topics being addressed include individual differences in accommodation and convergence, visual factors in target detection and causes for visual misperceptions.

CWSP funds restricted

College Work Study and Graduate Work Study Program supervisors are reminded that Work Study students cannot be paid from CWSP funds during Winter Term break (Feb. 25 - March 10). If students work, they must be paid from departmental funds.

The last day to work for Winter Term is May 24, and the first day CWSP students may work Spring Term is March 11.

Funding Sources

For further information, call 865-1372.

(376-1) The National Science Foundation has several programs for which proposals may be submitted any time, but which require 6-9 months to process. These programs include: Division of Behavioral and Neural Sciences — anthropology, linguistics, memory and cognitive processes, neurobiology, psychology, sensory physiology and perception, and social and developmental psychology; Division of Environmental Biology — biology research resources, doctoral dissertation research, and ecosystems studies; and in other divisions — engineering research equipment, industry-university cooperative research projects, research in information science and technology, science in developing countries and U.S.-China/U.S.-East Asia and U.S.-New Zealand cooperative science programs (NZ travel only). Contact numbers are available for each program. (Ref. NSF Bulletin, February 1982)

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Murphy puts national focus on extrajudicial behavior

Not often does a young scholar's first book spark a national debate — fanned by the *New York Times* and other giants of the American press.

But such was the case last week for Dr. Bruce A. Murphy, 30, assistant professor of political science at the University. The incredible revelations of his *The Brandeis/Frankfurter Connection: The Secret Political Activities of Two Supreme Court Justices* (482 pages, Oxford University Press, \$18.95) were heralded in David Margolick's page one story in the *Sunday Times* of Feb. 14. Wire stories by the Associated Press and United Press International followed on its heels, and last Thursday's *Newsweek* devoted its entire Justice section to the story.

Even so, the *Times* refused to dim the spotlight. Tuesday's issue carried an analysis of the relationship by Mr. Margolick, and the paper's judgment on the issue flowed forth in its lead editorial on Thursday. On Sunday, the *Times* carried a story on the reaction to the relationship by some of Frankfurter's former law clerks. In addition, *The Washington Post* began serializing the book.

The outstanding factual revelation was that Brandeis, who was 26 years older than Frankfurter and who served on the Supreme Court from 1916-39, paid

Frankfurter more than \$50,000 to further the justice's goals on public policy. But the larger issue Dr. Murphy explores via his case in point is that extrajudicial behavior by judges can jeopardize their impartiality.

Dr. Murphy's reaction to the tremendous publicity the book has received is mixed, he says.

"On the one hand, I'm extremely grateful for the attention to the issue," he says. "My purpose was to spark a debate; if I've done that, I've been successful."

"The potentially negative side is the narrowing of the issue by the wire services. The *New York Times* and *Newsweek* reporters did a marvelous job. They read the book and understood it. They checked out my sources and my background. But AP and UPI lost a lot of the subtleties and context in their versions. They focused on the \$50,000 Brandeis paid Frankfurter, which is just one part of one chapter in a nine-chapter book. I hope people will not be misled by that emphasis."

"My hope is that, when people read the book, they won't be interested in that revelation alone. The book raises questions about the extrajudicial role of the judiciary. The resolution of that issue depends ultimately on the readers."

What gets lost in the glare of the spotlight, Dr. Murphy adds, are the years of research preparatory to such a study. "I'm somewhat embarrassed to be singled out from a number of good scholars here and elsewhere who do significant research."

Dr. Murphy's own research started some six years ago, as a doctoral candidate at the University of Virginia. He became interested in the topic of extrajudicial behavior — "an area where there's not a lot of material or discussion."

For his book, the salient question was "how best to proceed." He began with an analysis of all Supreme Court justices, subsequently narrowing the field to 10, then to five, before focusing on Brandeis and Frankfurter.

Much of his work was conducted in the Library of Congress, where he was confronted with 250 boxes of Frankfurter materials, each box holding an estimated 1,100 letters or documents. He examined 60 different collections of papers — some indexed, some not — of the two justices, analyzed 40 different oral histories relating to them, and interviewed 20 key persons who knew or had worked for them.

One of the recurring problems in research of this sort is time and money.

"Without the support of the University, it would never have been possible to finish the research," Dr. Murphy says. He received a Research Initiation Grant, a grant from the Institute for the Arts and Humanistic Studies, in addition to "help and advice from Dean Magner's Office (associate dean for research and graduate studies, College of the Liberal Arts), which pointed out sources of financial support."

Where does he go from here?

"Generally, I want to pick another large topic concerning the Supreme Court and see if I can find a way of examining that issue. I am interested in examining the political activities of the court during the 1960s."

He says such a study would require another "five to seven years of very tedious, very difficult, but very exciting research before I can even start to put a book together."

"I'm still sort of finding my way in my discipline, and discovering who my audience is," he says. "I like writing for the general public, but with footnotes and references appropriate to a scholarly audience. I'm still not certain whether I'm a writer of articles or of books. The general public doesn't read articles — that's the problem."



Seven members of the Long family in front of the Knock Shrine in County Mayo, Ireland, are: (top, from left) Kevin and Dr. Thomas Long; and (bottom, from left) Mrs. Anna Marie Long, Patricia, Clare (in Patricia's arms), Mary Elizabeth and Paul.

Penn State family sets a Fulbright record

A Penn State family has the distinction of being the largest family on record ever to go abroad on a Fulbright award.

"When they heard there were nine of us, the Irish Scholarship Exchange administrators suggested we might be setting a record," says Dr. Thomas E. Long, professor of education, who returned this term from a Fulbright Lecturing/Research position at University College, Dublin, Ireland.

So when U.S. Rep. William F. Clinger sent Dr. Long a congratulatory note, the professor asked Rep. Clinger if he could help find out about the largest family angle. The Congressman's office then contacted the Council for International Exchange of Scholars in Washington, D.C., and learned that the Longs would indeed be the largest family to take a Fulbright award since the Council started keeping records in 1950.

Going to Ireland with Dr. Long and his wife, Anna Marie, were the couple's seven children: Patricia Ann, 22, a 1980 Penn State graduate; Timothy, 21, a Penn State junior; Michael, 20; Kevin, 19; Mary, 15; Paul, 12; and Clare Marie, 3.

While in Ireland, Dr. Long lectured on educational and adult psychology and counselor education at University College. He also conducted research on the effects of the industrialization of Ireland on segments of the Irish population.

"Our family visited every county in Ireland and developed a sense of Irish community life and education," says Dr. Long, whose ancestors immigrated from Ireland to Pennsylvania.

In fact, Dr. Long discovered a relationship to a former Archbishop of Dublin, Archbishop Cardinal Cullen. He and his family also traced other of the Long "roots."

"It was a great experience, and the best part of all was being able to share and enjoy it with our entire family," he says.

Pattee tour schedule

Tours of Pattee Library will be offered on Tuesday, March 9; Wednesday, March 10; Thursday, March 11; and Friday, March 12, at 9 a.m., 11 a.m., 1 p.m., and 3 p.m. An evening tour will be given Thursday, March 11, at 7 p.m. All tours will begin in the Main Lobby of Pattee.

Branch Libraries will offer tours on the same dates. Tours for undergraduate students will begin at 10 a.m.; graduate tours will begin at 2 p.m. The branch libraries are: Architecture Reading Room (207 Eng. Unit C), Earth and Mineral Sciences (105 Deike), Engineering (325 Hammond), Life Sciences (E210 Pattee), Mathematics (110 McAllister), and Physical Sciences (230 Davey).

Affirmative Action notice for veterans

The University is a government contractor subject to Section 402 of the Vietnam Era Veterans Readjustment Assistance Act of 1974, as amended, which requires government contractors to take affirmative action to employ and advance in employment qualified disabled veterans and veterans of the Vietnam era.

A "disabled veteran" is a person entitled to disability compensation under laws administered by the Veterans Administration for disability rated at 30 per cent or more, or a person whose discharge or release from active duty was for a disability incurred or aggravated in the line of duty.

If you are a disabled veteran covered by this definition and would like to be considered under the affirmative action program, please contact the Affirmative Action Office (863-0471/433-0471). The information requested is voluntary and will not be used to affect adversely the terms and conditions of your employment. It shall be kept confidential, except that (1) supervisors and managers may be informed regarding restrictions on work duties and necessary accommodations, and (2) first aid personnel may be informed, when and to the extent appropriate, if the condition might require emergency treatment, and (3) government officials investigating compliance with the Act shall be informed.

Women's Studies seeks Colloquium papers

The Women's Studies Colloquium is seeking papers for a special all-day colloquium April 6 on research projects relevant to women's studies. Persons interested in participating are urged to send a one-paragraph description of their project to Frieda S. Rozen, Room 901 Liberal Arts Tower, University Park, by March 12.

Awards

(Continued from page 1)

The McKay Donkin Award

The McKay Donkin Award was established in 1969 in honor of the late McKay Donkin, who served as vice president for finance and treasurer of the University from 1957 to 1968. The award, which consists of a \$500 stipend and a certificate, is presented to the full-time member of the faculty or staff or the retiree who has contributed most to the "economic, physical, mental or social welfare of the faculty" of the University. The contribution of the nominee should be for duties or services which are above and beyond his or her regularly assigned duties. Previous recipients are William G. Mather, Ernest B. McCoy, Samuel C. Blazer, Eugene Wettstone, Kenneth L. Holderman, Patricia Farrell, Lawrence Perez, Michael R. Lynch, Margaret B. Matson, Karl G. Stoeckelke, Robert S. Friedman and Charles W. Mann.

The John E. Wilkinson Award for Administrative Excellence

The John E. Wilkinson Award for Administrative Excellence was established in 1970 by friends of Mr. Wilkinson, a lifelong Centre County businessman. The award, which carries a stipend of \$500, is made annually to a member of the staff whose performance methods and achievements exemplify administrative excellence. Previous recipients are Paul M. Hulsehouse, John B. Pezzoni, Kenneth L. Holderman, Eleanor Ferguson, Harry D. Zook, Russell E. Larson, Wayne D. Lammie, David E. Stormer, Billy R. Baumgardner, James B. Bartoo and Charles L. Hosler.

The Barash Award for Human Service

The Barash Award for Human Service was created in 1975 by the family of the late Sy Barash. It is an annual award to a full-time member of the faculty, staff or student body at University Park who has contributed most, apart from regular duties, to human causes, public service activities, and organizations, or the welfare of fellow humans. This award carries a stipend of \$1,000. Previous recipients are Robert Welsh, Ronald Ross, Robert H. McCormick, Arnold Addison, Charles H. Nagney, Robert J. Flipse and H. LeRoy Marlow.

Engineering history intended to 'set the record straight'

It's Michael Bezilla's hope that his new book, *Engineering Education at Penn State*, will once and for all set the record straight.

The "characterization of Penn State as little more than a glorified 'cow college' for nearly the first hundred years of its existence is a false one," he writes. "From about 1890 until 1910, the engineering curriculums enrolled at least one-half of Penn State's undergraduate student body and over one-fourth until the onset of the Great Depression."

Engineering education was important in the context of land grant education from the earliest years, according to Dr. Bezilla. The misunderstanding of its role at Penn State arose from a variety of circumstances: the institution's first name, The Farmers' High School; the geographical isolation of the campus and a misreading of the words "land grant."

Published by Penn State's Press, the history originated as a commissioned project of the Penn State Engineering Society, the alumni body of the College of Engineering.

"But the book is not a puff piece," Dr. Bezilla points out. "I had no preconceptions; I didn't even know whether I would wind up with a short article or a book."

Dr. Bezilla is the author of an earlier book published by Penn State's Press, *Electric Traction on the Pennsylvania Railroad: 1895-1968*. Currently at work on a history of the entire University, he earned his M.A. and Ph.D. degrees in history from Penn State in 1975 and 1978, respectively.

"The College of Engineering's strength historically lay with instruction rather than research," Dr. Bezilla writes, noting its contribution to the Commonwealth's pool of technically trained personnel.

Pennsylvania's largest single academic source of professional engineers, since 1884, the College has awarded over 11,000 associate degrees, 23,000 baccalaureate degrees and 2,500 graduate degrees.

Battled by two wars, the Great Depression, the loss of its buildings through fire and inadequate support from the State legislature, the College has been lucky in its choice of leadership, according to Dr. Bezilla.

"The early deans were very strong personalities, strong dictators," Dr. Bezilla said in a recent interview. "I think

it's the nature of the profession. Engineers are more interested in results than in haggling over the processes through which they can be achieved. Because the deans were such dynamic individuals, they succeeded in putting engineering education at Penn State on a sound academic footing."

The first dean, Louis E. Reber (1895-1907), left a 50-page written memoir of his years at Penn State, which supplied much of the information Dr. Bezilla used on the early years of the School, from its organization in 1896 with three departments — Civil, Mechanical and Electrical Engineering.



A fire in 1918 gutted the College of Engineering's original building (above), located at College Avenue and South Allen; an early engineering laboratory (below).



Dean Reber, who left Penn State to direct extension activities at the University of Wisconsin, also played a key role in the development of State College. With his brother-in-law (and successor as dean, John Price Jackson) and two other alumni, he purchased a dilapidated hotel at the corner of South Allen and College and renovated it to provide the town's finest accommodations. He helped found the borough's first electric light company and bank and for a few years was co-owner of the first newspaper, the *State College Times*.

"The early deans were not particularly outgoing personalities; they were all

business," Dr. Bezilla reports. He writes:

"In characterizing Robert Sackett (1915-1937), his contemporaries invariably took note of his iron will and his rigid determination to do his job, regardless of the magnitude of the obstacles thrown in his path. His tenacity reflected itself in his demeanor."

But Dean Sackett was also an individual of varied accomplishments. A sailing enthusiast, he exhibited watercolor in several one-man shows.

Another dean portrayed as all business on the job was Harry Hammond (1937-1951), co-author of two national reports which influenced the direction of technical education for many years. He was followed by Eric Walker, his personal choice for the job.

"Dean Walker brought a refreshing change in personal style," Dr. Bezilla writes, recording a story told about Dr. Walker's first faculty meeting. Most of the staff filed in and sat in the back of the room, leaving the first six rows vacant. Dr. Walker looked around and then announced with a straight face that only those sitting in the first five rows would be eligible for salary increases next year.

"This lighter touch, while perhaps not so visible to students, was much appreciated by the teaching staff and fostered a spirit of camaraderie that had been lost during the upheavals of post-war expansion," Dr. Bezilla comments.

Dr. Walker helped upgrade engineering research at the University, and his administration saw the construction of the nuclear reactor and the founding of the associate degree program.

While most of the College's deans tended to keep strictly to business, Dr. Bezilla does take note of one unusual member of the faculty. He was Eugene C. Woodruff, a faculty member from 1913 to 1939, and a millionaire. A professor of engineering education because he loved it and accepted only a minimum salary, which he noted didn't even pay his income tax.

Dr. Bezilla's account of the College's history comes all the way down to 1981 and the present dean, Wilbur L. Meier. Fittingly, history repeats itself.

Dr. Meier, who came to Penn State last June from Purdue University, is the second engineering dean to do so. Sixty-six years earlier, Dean Sackett took the same route east.

Alumni fellows

(Continued from page 1)

Education and a 1950 recipient of a Penn State master's degree, College of Education;

— Stanley B. Lathan of Los Angeles, an independent film and television director and a 1967 graduate, College of the Liberal Arts;

— and Adolph J. Lena of Dunkirk, N.Y., chairman of the board and chief executive officer of the Al Tech Specialty Steel Co. and a 1948 graduate, College of Earth and Mineral Sciences.

The Alumni Fellows Program, now in its 10th year, is designed to allow the

University community to share the expertise and experience of selected alumni. Including the nine for this year, the program will have brought a total of 74 Fellows back to their alma mater.

While on campus for their three-to-five-day visits, the Fellows attend classes, offer seminars, give public lectures and hold informal discussion sessions with students.

They also are entertained by University President and Mrs. John W. Oswald, and are presented bronze plaques, designed by John Cook, professor of art.

The Alumni Fellows Program is sponsored by the Penn State Alumni Association and the academic colleges of the University.

which housed equipment, experiments or animals that couldn't be moved to another location or subjected to the lower temperatures.

The committee had projected a total cost avoidance of about \$90,000, but many members of the faculty and staff asked to use office space during the recess. While portable heaters were supplied in some instances, many requests required that an exception be granted for an entire building.

Comp Center offers workshops

The Computation Center is offering two workshops during the break between Winter and Spring Terms. The workshops, which are open to all faculty and staff members and graduate students, are:

Introduction to Interactive FORTRAN (4 days/March 2 — 5, 112 Walker Building) Basic computer concepts and techniques of programming will be studied. The workshop will be oriented toward those who have NO previous computer experience. The course will use the interactive, time-sharing VM/CMS system, and participants should be users of a P, U, or C account and be "joined" to VM/CMS. Advanced FORTRAN Techniques (3 days/March 2 — 4, 112 Buckhout Laboratory) This workshop will require previous programming experience and will describe a variety of convenient and efficient techniques which are beyond the scope of an introductory course.

Lectures will be given throughout each day, beginning at 9 a.m. and resuming at 1:30 p.m. after a lunch break. Sample programs will be studied, and practice problems will be assigned. Registrations will be accepted in Room

229 Computer Building. A charge of \$5 (cash, check or interdepartmental transfer) is payable in advance by each registrant.

Those registering for the introductory course should also request that they be joined to VM/CMS.

Faculty/Staff Alerts

Account statements issued to SERS members

Annual retirement account statements have been distributed to faculty and staff members who belong to the State Employees' Retirement System (SERS). These statements provide information about retirement accounts as of Dec. 31, 1981.

Some faculty and staff members who are age 50 or older have received statements containing projected retirement annuities. The State Employees' Retirement Board continues to work toward the goal of eventually providing this more detailed report for all members age 50 and older.

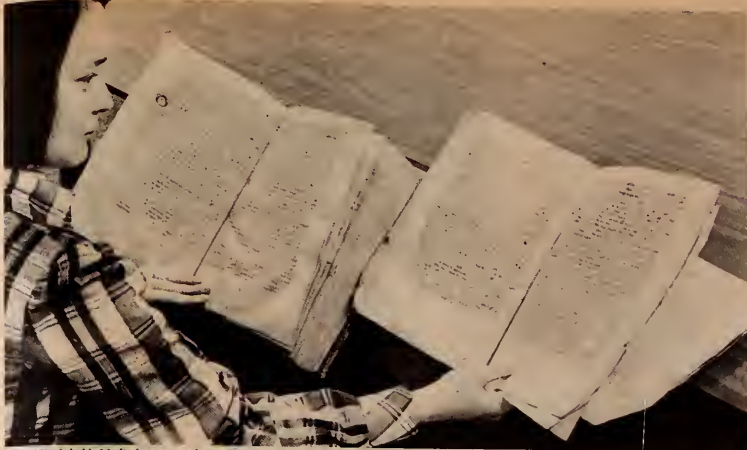
Faculty and staff members with questions about their retirement account statements should contact the Employee Benefits Division at 865-1473 (network: 475-1473).

Energy costs avoided over Holiday recess

Almost \$54,000 in energy costs were avoided by the University over Christmas through the Holiday Recess Program, the Executive Energy Conservation Committee has announced.

Temperatures for residence and dining halls and academic and administrative buildings were lowered to approximately 50 degrees Fahrenheit from Dec. 19 to Jan. 4.

About 175 of the University's 200 buildings were included in the cutback. Exceptions were granted to buildings



Dr. Eckhardt holds Merlin leaves at right, "Prose Brut," at left.

Medieval manuscripts reunited in Pattee

Two medieval manuscripts copied in the 15th century by an English scribe and later separated have been reunited after 500 years in the vault of Pattee's Rare Books Room.

Their identification depended, according to Dr. Caroline Eckhardt, on a blending of scholarship and serendipity. Dr. Eckhardt is an associate professor of English and comparative literature and director of the comparative literature program.

She has been studying one of the manuscripts for several years, and this spring will publish a book about her research, *The Prophetia Merlini of Geoffrey of Monmouth: A Fifteenth-Century English Commentary* (Medieval Academy of America, Cambridge, Mass.).

Consisting of five inscribed leaves and a sixth seemingly blank one, the first manuscript is a copy in English, with commentaries, of the prophecies of Merlin. These prophecies attributed to the legendary magician of King Arthur originally appeared in Latin in the 12th century as part of the *Historia Regum Britanniae* written by Geoffrey of Monmouth.

"Geoffrey's blending of history and fiction was the first systematic version of the Arthurian legend," Dr. Eckhardt explains, "and it was a 12th-century bestseller. Fusing two cultural streams—that of England's Norman conquerors and the native British Celts—Geoffrey made Arthur into an international hero on the

model of Charlemagne.

"Some 70 Latin copies of the prophecies of Merlin are known, as well as medieval translations into French, Icelandic and several other languages. This is apparently the only English prose translation extant, however, which is surprising in view of the work's popularity."

Rare Books Librarian Charles Mann purchased the Merlin leaves in the 1960s, along with two other unrelated manuscripts, to provide research materials for faculty members and graduate students. Dr. Eckhardt believes that the Merlin work was probably written during the third quarter of the 15th century, somewhere between London and Oxford, and that it was issued first as a pamphlet and then later was bound into a book. She has sought unsuccessfully to trace that book.

In the course of studying the manuscript, Dr. Eckhardt had the "blank" page exposed to ultraviolet light and made the incidental discovery of the signature of a "Thomas Widdowes." During a summer spent in research at the Bodleian Library in Oxford, she was able to track down Widdowes, who may have owned the manuscript at one time.

"He was a 17th-century schoolmaster," she says, "a royalist who always kept one jump ahead of the Cromwells."

One of Dr. Eckhardt's scholarly preoccupations was to attempt to find other manuscripts in the handwriting of the Merlin scribe, and she concentrated

much of her effort on examining copies of a popular 15th-century chronicle, *The English Prose Brut Chronicle*, of which 166 copies have survived. ("Brut" refers to Brutus, who was a pseudo-historical character, a legendary survivor of the Trojan wars and the supposed founder of Britain.)

"Because *The Prose Brut* contains a mixture of historical narrative and propaganda, not unlike the content of the Merlin prophecies, I thought the Merlin scribe might have been attracted to the material and copied it, too," Dr. Eckhardt explains.

Even though this avenue of approach eventually came to a dead end, Dr. Eckhardt will still count her summer at the Bodleian a great success. She had earlier formed the habit of handing out photocopies of the Merlin leaves to other medievalists and continued the practice at Oxford.

"It was a little like putting a message in a bottle and casting it on the waves," she observes. "I hoped someone to whom I'd given a photocopy would someday come across a manuscript by the Merlin scribe and recognize the handwriting."

And that's exactly what happened. Dr. Eckhardt gave two photocopies to Jeremy Griffiths, a young Oxford medieval scholar. Some two years passed, and one day Dr. Griffiths was asked by Sotheby Parke Bernet, the English auction house, to examine a manuscript of *The Prose*

Brut consigned to them for sale. When he saw it, something clicked, and he dug up Dr. Eckhardt's photocopies. The two manuscripts seemed to him to be in the same hand, and he so advised Sotheby—which carried a note to that effect in the official sale catalog.

Dr. Eckhardt heard the news of the find on a Thursday morning. The auction was scheduled for the next Tuesday.

Mr. Mann and Libraries Dean Stuart Forth were as excited by the news as Dr. Eckhardt, and it was agreed that the Libraries would contact a London agent and bid on the manuscript, using money contributed to the Libraries by private donors.

"I was thrilled," Dr. Eckhardt continues, "but I was also quite apprehensive. The Libraries' funds were limited, so there was no assurance we would get the manuscript. Over the weekend, my husband and I decided that we would make a donation to the Libraries to enable them to raise their bid. The Penn State Credit Union helped by giving us a loan."

"The manuscript was sold for exactly the amount we allotted. One more bid, and we would have lost it."

Penn State's *Prose Brut* consists of 99 leaves and is much more elaborately decorated than the Merlin manuscript, with inscribed initials in red, blue and gold. It was probably made for a wealthy patron.

"Unfortunately, the first page is badly faded," Dr. Eckhardt reports, "so although it contains a coat of arms, it cannot be distinguished. The handwriting in the two copies is quite similar. For example, the scribe had a distinctive way of making a P and a d, and both manuscripts employ the same unusual symbols for periods and other punctuation."

"I think it's exciting that the Libraries now own the only known English copy of the Merlin prophecies as well as a copy of the most popular 15th-century chronicle, and both from the same hand," Dr. Eckhardt adds.

Dean Forth noted "his great pleasure" in the Eckhardt's generosity in providing funds to help acquire the second manuscript.

The history of the manuscripts since they left the workshop of the Merlin scribe is unknown. Someone has gone through both of them and removed all references to the Pope—possibly after Henry VIII separated England from the Catholic Church about 1534.

Whatever their vicissitudes, they now repose next to one another in the Rare Books Room.

"Even though they were acquired at different times, I thought they ought to be together," Dr. Eckhardt observes. "We medievalists tend to become very emotional about our work!"

Medalists

(Continued from page 1)

fabrication technology for use in a new generation of extremely stable, high performance deformable mirrors... these same materials can be applied to present day systems to achieve a five times reduction in the cost of their subsystems. This represents a savings of millions of dollars and permits system pricing in a range within reach of the private astronomical community."

Dr. Cross holds B.Sc. and Ph.D. degrees from Leeds University. The author or co-author of 144 publications, he joined the staff of the University in 1964.

In the nine years since Dr. Mahoney's doctorate was conferred by Stanford University, he has amassed an impressive record of research and scholarly publications, authored four major books and co-authored six others, and inaugurated an important new journal, *Cognitive Therapy and Research*. His colleagues attest that Dr.

Mahoney's interest in the cognitive and behavioral processes of researchers is pioneering. His *Scientist as Subject: The Psychological Imperative* related philosophy and methodology to clinical investigation and has opened up a new area of research known as the psychology of science.

Dr. Mahoney's landmark book on *Cognition and Behavior Modification* and his program of research have helped to redirect the field of behavior therapy from a predominantly sensory orientation to one in which cognitive processes occupy a paramount role. This work underscored the predominant role played by faulty thought patterns in human distress and behavioral disorders.

Dr. Mahoney is also one of the leading researchers on self-regulatory processes. He has done important studies in clinical psychology and behavior therapy with his emphasis on self-change systems and the role of personal belief systems in psychological adjustment and well-being. The culmination of his work in this area is recounted in his book, *Self-Change:*

Strategies for Solving Personal Problems, published in 1979. His applied work has been extremely influential beyond the academic setting.

Dr. Mahoney joined the faculty in 1972. He earned his undergraduate degree at Arizona State University.

Phonathon

(Continued from page 1)

alumni phone numbers." On the average, OGE expects to collect about 75 percent of the actual money pledged. In the past, however, many alumni have exceeded their pledges, while some who did not pledge reconsidered and sent in contributions.

Pledges by College are:
Agriculture — 4 nights, 121 students calling, \$8,950, 390 pledges

Business Administration — 4 nights, 496 students calling, \$34,000, pledges not yet tallied

Earth & Mineral Sciences — 3 nights, 55 students calling, \$9,833, 351 pledges

Engineering — 4 nights, 65 students calling, \$7,168, 354 pledges

Health, Physical Education and Recreation — 3 nights, 38 students calling, \$6,461, 315 pledges

Human Development — 3 nights, 58 students calling, \$6,940, 398 pledges
Liberal Arts — 2 nights, 27 students calling, \$2,985, 161 pledges

Science — 3 nights, 39 students calling, \$7,382, 312 pledges

Renaissance Scholarships — 2 nights, 41 students calling, \$9,046, 407 pledges

Members of Alpha Phi Omega, Gamma Sigma Sigma, Parni Nous and Skull and Bones took two nights at the phones to raise funds for general University use. They collected \$7,551 and 361 pledges.

"We feel the Phonathons produce many benefits for the University," Mrs. Tift says. "They help expand the base of support among younger alumni and educate them to contribute to Penn State. At the same time, the students participating as callers are learning about the University's needs. And Phonathons also provide a mechanism for helping us keep our records up to date."

Regular, 'aerobic' exercise necessary for overall health

Having trouble sleeping at night? Feeling tired, depressed or tense during the day? You may not be getting enough exercise.

"Most people need to exercise for about 30 minutes every other day, or three times per week, to realize fully the benefits of an exercise program," says Dr. Dorothy V. Harris, professor of physical education.

A regular exercise program, she adds, can help you sleep better, increase your tolerance for day-to-day stress and give you more energy.

"The most important aspect of an exercise program is to raise the heart rate to at least 150 beats per minute and then maintain this level for between 20 and 30 minutes," Dr. Harris says.

To accomplish this, she recommends "aerobic" exercises such as jogging, swimming, bicycling, skiing, and ice and roller skating — "or any other activity that raises the heart rate and that can be maintained for 20 or 30 minutes."

"Aerobic" exercises, Dr. Harris explains, are so-called because they increase the body's use of oxygen, thereby strengthening the circulatory and respiratory systems.

"Calisthenics, weight-training and other similar exercises are good for improving muscle tone and flexibility but often do not increase the heart rate to the recommended level," Dr. Harris says.

A well-balanced exercise program should consist of both kinds of exercise, with calisthenics being especially important to help warm up the body before such aerobic activities as jogging and thus reduce the risk of tearing or straining muscles.

If you do not exercise regularly, you should take certain precautions before beginning an exercise program, Dr. Harris cautions.

"Depending on your age, previous lifestyle and general health, a physical examination may be highly advisable," she observes.

"If you're under 35 years of age, you should have a physical examination if you are considerably overweight, if you are a heavy smoker or if you have health-related problems," she says.

If you're over 35 years of age, she adds, you should have a physical examination before entering into an exercise program, regardless of your self-conceptions of your physical well-being.

"Because a variety of physical disorders, even in seemingly healthy persons, can appear in the 30s, persons in this age group and beyond should get regular physical examinations regardless of whether or not exercising is planned,

but especially if it is," Dr. Harris says.

No matter what your age, start out slowly on an exercise program.

"Don't try to accomplish too much too soon," Dr. Harris says. "There is no need to feel pain when exercising. What is important is to increase your heart beat to the recommended level, always stopping at the point at which pain is felt."

She also stresses that the beginner should not expect to be able to accomplish as much as a person who has been exercising for some time.

"In fact," she says, "exercise should always be an individual matter, with each person relying on his or her own body to determine the level of exertion."

The key to a successful exercise program is increasing the heart rate and keeping it there for about a half hour. Such measures as distance or speed vary from person to person, so what's important is to exercise at the pace that is best for you."

Equally important, Dr. Harris notes, is that exercise be enjoyable.

"Whatever form of exercise you choose, it must be enjoyable or you will find it difficult, if not impossible, to stick with it," she remarks.

In particular, she recommends that if you're beginning an exercise program, it might be wise to avoid competitive sports such as tennis, which require high levels of skill.

"If you're going to play tennis or another competitive game, you should do so only with persons of comparable skill levels. Otherwise, it is much too easy to become discouraged and quit," she explains.

On the other hand, it is a good idea to take exercise with another individual, such as a co-worker or friend.

"Because the benefits of exercise can best be realized by following a regular schedule, it is important to make a commitment to a regular exercise program, such as agreeing with a friend to exercise together at given times each week."

"Getting exercise should be like getting food or getting sleep — it should be a vital part of your life," she says.

In addition to regularly scheduled exercise sessions, Dr. Harris recommends building exercise into your normal schedule of activities.

"An effective way to do this that is often overlooked is to make a conscious effort to walk instead of driving whenever possible," she explains. "And when walking, you should do so at a pace quick enough to increase the heart rate."

Try using the stairs instead of riding



elevators or walking down the hall to talk with a colleague instead of picking up the telephone.

Observing that the University's many exercise facilities are open to faculty and staff members at a variety of times, Dr. Harris says persons interested in exercising before or after work, or during lunch hours, usually can do so. Hours for faculty and staff members can be obtained by calling the facilities, which are listed in the telephone directory.

Dr. Harris further observes that the College of Health, Physical Education and Recreation has supervised noontime programs for men and women.

The women's program, open to all faculty and staff members at no cost, consists of an exercise-activity program on Mondays, Wednesdays and Fridays. On Tuesdays and Thursdays, swimming is

offered. All activities are in White Building.

Women interested in this program should contact the Professional Physical Education Program Office at 863-0441. Medical clearance is required for all participants.

The men's program — directed by Dr. Karl G. Stoenefalke, acting dean of the College — is for persons with a medically defined problem. It is open only to persons over 40 years, and a fee is charged for testing (required of all participants) and services.

Men and women (who will be referred to the women's program) interested in this program should contact Dr. Stoenefalke at 865-2565.

Finally, in certain instances, evaluation of physical fitness and health can be accomplished by testing in Noll Laboratory.

Calendar

Feb. 25 —

Mar. 14

Special Events

Thursday, Feb. 25

Final Exams through March 1.

Computational Fluid Dynamics seminar, 4 p.m., 232 Hammond. T.R. Gouindan, aerospace engineering, on "A Space Marching Method for the Navier-Stokes Equations."

Friday, Feb. 26

Sports: Wrestling, Eastern Wrestling League Championships. Also Feb. 27.

Saturday, Feb. 27

Introduction to Backyard Beekeeping, 1-4 p.m., Shaver's Creek Environmental Center. Sports: Bowling vs. Drexel, 1 p.m.

Sunday, Feb. 28

Sports: Bowling (men) vs. Capitol Campus, 1 p.m.

Monday, Mar. 1

Sports: Basketball (women) vs. District of Columbia, 7:30 p.m.

Tuesday, Mar. 2

Computer Programming Workshop.

"Introduction to Interactive FORTRAN," 9 a.m., 112 Walker. Registration: 229 Computer Bldg.

Computer Programming Workshop.

"Advanced FORTRAN Techniques," 9 a.m., 112 Buckhout. Registration: 229 Computer Bldg.

Microcomputer Users Group meeting, 7:30 p.m., 189 Materials Research Lab.

Sports: Basketball (men) vs. Cleveland State, 8:10 p.m.

Saturday, Mar. 6

Winter Term Commencement, 10:30 a.m., Rec Hall.

Monday, Mar. 8

Pattee Library, Distribution of faculty spaces for Spring Term, 7:15 a.m., C106 Pattee.

Tuesday, Mar. 9

Registration for Spring Term, 8 a.m.-5 p.m., IM Bldg. Also Mar. 10.

Preregistration for Summer Term, 112 Shields, through Mar. 31.

HUB Craft Center, registration for craft classes, noon-5 p.m., 312 HUB, through Mar. 10.

Wednesday, Mar. 10

Concert of early music by the Nova Consort, instrumental and vocal ensemble, noon, Kern Lobby.

Sigma Delta Epsilon — Graduate Women in

Science, brown bag luncheon and lecture, noon, 101A Kern. Gretchen Cornell and Gwen Frazier on "Committee on Women and Development."

Shaver's Creek Environmental Center, "From Tree to Table — Maple Sugaring," 1-5 p.m., Stone Valley Recreation Area.

Thursday, Mar. 11

Chairs begin.

Chemistry Colloquium, 12:45 p.m., 333 Whitmore. Robert Ables, Brandeis Univ., on "Bioorganic Reaction Mechanisms."

Physics Colloquium, 3:50 p.m., 117 Osmond. M. Kruskal, Princeton Univ., on "Theory of Solitons."

HUB Craft Center, Open House, 7:30-9:30 p.m., 312 HUB.

Friday, Mar. 12

Research Methodology for the Study of Women in Development Forum, noon, HUB Assembly Room. Dr. Elise Boulding.

Dartmouth College, on "The Invisibility of Women in Development: Breaking the Perceptual Barriers."

Saturday, Mar. 13

Maple Sugar Training Session for Volunteers, 10 a.m.-3 p.m., Shaver's Creek Environmental Center.

Artists Series, Paul Gaulin Mime Company, Mirage, 8:30 p.m., Schwab Auditorium.

Exhibits

Chambers Gallery: Saturday Morning Art

School Exhibition, Feb. 26 and 27.

Magic Moments, work by profoundly disturbed children, opens Mar. 12.

HUB Art Gallery: Hedrich-Blessing: Architectural Photography, The Gallery, through Feb. 28.

Kern Gallery: Jane Kinzler, weavings, through Feb. 26.

Museum of Art: Richard Hamwi, Works on Paper.

David Van Dommelen, 25 years of Fiber Art. Director's Choice, selected works from the Museum's collection.

Pattee Library: Rare Books Room: "The Black Experience," featuring the work of artists John Biggers, through Mar. 1.

Second Floor, East Pattee and Main Lobby: Terry Johnson, recent work, through Mar. 12.

East Corridor: John Mahoney, drawings, through Mar. 1.

Carol Andrull, drawings and paintings, through Mar. 1.

Lending Services Gallery: Becky Mast, drawings.

Visual Arts Bldg., Zoller Gallery, "Paper & Image," innovative works on paper.

Penn State Intercom

Pennsylvanians lobby against student aid cuts

A Penn State delegation of six people joined in a March 3 lobbying effort in Washington, D.C., against the Reagan Administration's plan to cut \$3 billion in student aid funds from the federal budget.

The Penn Staters joined some 250 representatives from nearly 80 Pennsylvania institutions in the effort, organized by the Pennsylvania Association of Colleges and Universities (PACU).

PACU President James A. Ream said the group made the trip to "bring home the point to the Pennsylvania Congressional delegation that higher education is an investment in the State's future."

He said he felt the group made its point, noting that "the opposition [to these cuts] seems to be building very fast." The opposition, he added, includes "a large bloc from the President's own party."

The Penn State representatives were Frederick M. Ciletti, special assistant to the President for government affairs and chairman of President Oswald's Task Force on Federal Cuts in Higher Education and Student Aid; David R. Schuckers, director of governmental relations; John F. Brugel, director, Office of Student Aid; Arthur V. Ciervo, director of Public Information and Relations; Bill Cluck, president of Undergraduate Student Government Association; and Paul D. Bell, student member of the Board of Trustees.



John A. Pino

Rockefeller director to talk March 18

"Hunger: Food Policies and Agricultural Development" will be the topic of Dr. John A. Pino, director of Agriculture Services for The Rockefeller Foundation, on Thursday, March 18, at 3:35 p.m. in Room 112 Kern Building.

The public is invited to the talk, which is the second annual Gamma Sigma Delta Lecture, sponsored jointly by the national honor society and the College of Agriculture.

Dr. Pino has held his present post since 1970. He earned his B.S. in agriculture and Ph.D. in zoology at Rutgers University, where he was a member of the

(Continued on page 8)



Renee and Robert Friedman

6000 ORUs — and how they grew

Editor's note: This article is one in an ongoing series in which faculty members describe work in progress.

By Renee C. Friedman and Robert S. Friedman

Among the noteworthy changes in the academic landscape over the past three decades has been the rapid proliferation of organized research units. Developed in response to increased demand for the application of university-based research to the social, economic and technical problems of the nation, more than 6,000 such units have sprung up.

The ORU model has been promoted for a variety of purposes: stimulation of new research directions and styles, facilitation and encouragement for the conduct of research, assistance to educational programs, enhancement of individual rewards, and the resolution of special institutional problems.

As might be expected, these campus parvenues have not met with universal

acclaim or acceptance. Four identity crises plague these structures, which exist outside the traditional organizational framework of universities. The first is that they are not central to the definition of a university. Secondly, they lack universally agreed upon intellectual cores, and, as a concomitant, their nomenclature is not consistent from one campus to another. And lastly, they are marginal enterprises because of some of the features they encompass.

Like all complex organizations, universities have diffuse and sometimes conflicting goals and missions. One goal, however, is paramount and universal among the leading research universities: prestige maximizing. Departments are viewed as the chief prestige maximizing agencies of the university; therefore, conflict between them and ORUs is inevitable. Prestige is not an abstraction but rather the cornerstone of economically

(Continued on page 8)

Appropriation request made to legislators

President Oswald, accompanied by a team of senior administrators, is presenting the University's 1982-83 appropriation request to the State legislature this week.

The University is requesting a total State appropriation of \$148,468,000, up 12.1 percent from the 1981-82 appropriation of \$132,428,000 and including increases of \$14,122,000 for General University operations and \$1,918,000 for the College of Medicine.

Governor Thornburgh has recommended a base appropriation to the University of \$140,281,000, an increase of 5.9 percent from the 1981-82 appropriation. The Governor also recommends that the University receive an additional \$3.2 million for operation of the Elizabethtown Hospital for Children and Youth beginning in 1982-83. (The Governor is proposing the transfer of control and management of the facility to the Milton S. Hershey Medical Center.)

The Appropriations Committee hearings in the Senate were scheduled for Tuesday, March 9; those in the House are scheduled for today (March 11).

Attending the hearings with President Oswald are Dr. Edward D. Eddy, provost; Dr. Richard E. Grubb, senior vice president for administration; Robert A. Patterson, senior vice president for finance and operations; and Dr. Harry Prystowsky, provost and dean of the Milton S. Hershey Medical Center.

23 awarded research grants

Twenty-three faculty members have been awarded one-year Research Initiation grants from a fund approved by President Oswald. The grants, ranging from \$3,946 to \$5,000, are made to encourage and support research and other creative work.

Faculty members from all campuses who had accumulated no more than two years of service before September 1982 were eligible for the 1982-83 RIG grants.

"These funds are awarded to support lines of research that may lead to external sponsorship," says Dr. Richard G. Cunningham, vice president for research and graduate studies and the administrator of the program.

Reviewing and screening 81 proposals was a committee which included Robert S. Brubaker, professor and head of speech communication; Lawrence M. Cathles III, associate professor of geosciences; Gregory L. Geoffroy, associate professor of chemistry; Gerald E. McClearn, associate dean, Human Development; Eva J. Pell, associate professor of plant pathology; Harry D. Zook, acting director, Intercollege Research Programs; and Edward H. Klevans (chairman), associate dean, Engineering.

Faculty members awarded grants and the proposal titles are:

Donald A. Bryant, assistant professor of microbiology, Regulation of phycocyanin biosynthesis in cyanobacteria; Stephen Couch, assistant professor of sociology, Schuykill

(Continued on page 3)

Editor's note: Walter J. Conti, president of the Board of Trustees, is sharing the following letter and committee listings as part of a continuing effort to keep the University community informed of Trustee actions.

TO: All Members of the Board of Trustees

As President of the Board of Trustees, and after consultation with the President of the University, Dr. John W. Oswald, I am pleased to announce the 1982 Board of Trustees' committee assignments and organization as shown on the attached lists.

You will note that committee membership follows a slightly different alignment. In addition to the President of the Board of Trustees and the President of the University, the Vice President of the Board of Trustees will serve as an ex officio member of all standing and special committees and of all subcommittees; and every Trustee will serve on one of the three standing committees. Further, in the interest of keeping committee membership reasonably small, I am discontinuing the practice of appointing the chairperson and vice chairperson of each standing committee to membership on all other standing committees. The standing committees thus will be smaller in size and, as mentioned above, each member of the Board will belong to and concentrate on the various issues of one standing committee. It is my expectation that the smaller committees will provide greater flexibility, and will enable each committee member to channel his or her interest and expertise to a distinctive area of the University.

I, of course, emphasize that all members of the Board of Trustees are encouraged to continue to attend all standing committee meetings and to actively participate in the discussions.

Walter J. Conti, President

(Committee listings appear on page 3.)

Penn Staters

President Oswald will deliver the principal address at Lehigh University's 114th Commencement on Sunday afternoon, June 6, at 3 p.m. in the Stabler Athletic and Convocation Center. Dr. Oswald will also receive an Honorary Degree.

Dr. David M. Bressoud, assistant professor of mathematics, and Dr. Don N. Page, assistant professor of physics, are among the 88 outstanding young scientists from 50 universities selected to receive Sloan Foundation Fellowships for basic research.

According to the Foundation, the fellows, whose average age is 31, were selected from among nearly 400 highly qualified nominees on the basis of their exceptional promise to contribute to the advancement of knowledge in the early stages of their careers.

Dr. Bressoud, a specialist in number theory, joined the Penn State faculty in 1977, the same year he earned his doctorate at Temple University. He earned his bachelor's degree at Swarthmore College in 1971 and then served for two years as a secondary school mathematics teacher with the Peace Corps in Antigua, West Indies. During the academic year 1979-80, he was awarded membership in the Institute for Advanced Study at Princeton.

A specialist in quantum gravity, Dr. Page joined the Penn State faculty in 1979. Currently, he is on leave Spring Term as a visiting faculty member at the University of Texas, Austin. Prior to coming to Penn State, he held a NATO Postdoctoral Fellowship in Science and a Darwin College Research Fellowship at Cambridge University, England. A graduate of William Jewell College, Dr. Page earned his doctoral degree at the California Institute of Technology in 1977.

Dr. B. Lakshminarayana, professor of aerospace engineering and director of Computational Fluid Dynamics Studies, has been awarded the D. Eng. degree in mechanical engineering from the University of Liverpool. The award was made for "distinguished contribution to engineering," based on publications written by Dr. Lakshminarayana since he earned his Ph.D. This degree, the highest awarded by Liverpool, has no U.S. equivalent.

Dr. Lakshminarayana and Dr. Barnes W. McCormick, professor and head of Aerospace Engineering, have been elected Fellows of the American Institute of Aeronautics and Astronautics.

John S. Nichols, assistant professor of journalism, was one of ten Central American specialists invited by the U.S. Department of State to brief the new U.S. ambassador to Nicaragua, Anthony C.E. Quintano, in Washington last month (February). Dr. Nichols recently contributed a chapter on the Nicaraguan mass media to *World Encyclopedia of the Press*.

Dr. Loren D. Tukey, professor of pomology, presented the L.P. Batjer Memorial Lecture at the 77th annual meeting of the Washington State Horticultural Association at Wenatchee in December. In his keynote address, Dr. Tukey spoke on "Concepts on Managing Productivity in Apple Orchards."

Promotions

Staff Exempt

Erna I. Hamilton to associate housekeeping supervisor in Housing and Food Services.

Stephen R. Harkaway to supervisor, I.V. Additive Center, at Hershey.

Marilyn J. Koch to research support assistant at Hershey.

Gerald Luckovich to coordinator, Instruction Support Center, in Education. Norman E. Williams to programmer in management services.

Staff Non-Exempt

Pamela J. Crawshaw to senior staff nurse at Hershey.

Clerical

Ruth A. Barner to secretary B in Science.

Terril L. Barner to secretary C in Registrar.

Kristy K. Bloom to clerk typist A in Science.

Edward C. DuMond to office services clerk in Registrar.

Judy A. Fetterolf to clerk, registration A in Registrar.

D. Ellen Keith to receptionist-typist in Business Services.

Bonnie J. McGovern to secretary B in Intercollegiate Research Programs.

Jane J. Meyer to accounting clerk in Intercollegiate Research Programs.

Kristi Rehr to secretary C in Arts and Architecture.

Tamela Kuas Thal to records clerk in Education.

Tonia C. Tibbens to purchasing clerk in Business Services.

Sandra J. Williams to secretary A in Science.

Technical Service

Steven R. Beseker to helper-food production in Housing and Food Services.

James Friday to coal and ash equipment operator in Physical Plant.

Luella Goshnath to storeroom clerk C at Hershey.

Lawrence Hoover to power plant worker in Physical Plant.

Debbie J. Korman to food preparer B in Housing and Food Services.

Jerry McCloskey to maintenance worker general C in Physical Plant.

Carol K. Motter to escort service aide at Hershey.

Lorna E. Neff to baker-utility in Housing and Food Services.

John L. Petriskey to boiler operator in Physical Plant.

William E. Smith to athletic equipment and facilities worker in Health, Physical Education and Recreation.

Ronald K. Stover to residence hall preventive maintenance worker in Housing and Food Services.

Daniel W. Walters to helper-food production in Housing and Food Services.

Lorna E. Neff to baker-utility in Housing and Food Services.

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Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., March 18, 1982. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (P-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

FOOD AND BEVERAGE SERVICE SUPERVISOR, NITTANY LION INN, UNIVERSITY PARK — Interview, hire and supervise food and beverage personnel. Conduct and supervise training of assigned personnel. Responsible for accounting, processing and maintenance of personnel records, financial receipts and records related to operation of dining and banquet areas. Responsible for maintaining established standards of quality service in the daily operation of dining and beverage areas. Associate Degree (or equivalent) in food service or related field, plus over two and up to and including three years of effective experience in supervision of personnel in a similar and appropriate food service operation.

ADMINISTRATIVE AIDE, COLLEGE OF SCIENCE, UNIVERSITY PARK — Responsible to the Head and Assistant Head of the Department. Duties include supervision of department secretaries, working with budgets, extensive interactions with faculty, staff and graduate students, maintenance of confidential personnel files, and a wide variety of other responsibilities. High school education and two years of business or secretarial school or equivalent, plus two to four years of related experience.

ASSISTANT TO THE MANAGER, UNIVERSITY ARTS SERVICES, UNIVERSITY PARK — Responsible for ordering, selling and accounting for tickets. Prepare sales reports, cash receipts reports and deposit receipts. May be asked to interact with patrons and be knowledgeable regarding events presented in University auditoriums. Evening and weekend work necessary. Bachelor's degree (or equivalent), preferably in accounting or art administration, plus three to twelve months of effective experience in theatre and box office work; or Associate Degree (or equivalent), plus one to two years of effective experience. Computer experience desirable.

GRAPHICS PROGRAMMER, INTERCOLLEGE RESEARCH PROGRAMS, UNIVERSITY PARK — Support and develop the Computer Center's graphics services. Develop computer programs and documentation, provide consultation, training and seminars to users of computer graphics. Bachelor's degree or equivalent in computer science, plus two to three years of effective experience in interactive graphics.

AREA REPRESENTATIVE, COMMONWEALTH EDUCATIONAL SYSTEM, BERKLEIGH COLLEGE — Responsible for the functions of development, organization, operation and administration of Continuing Education programs and services within an assigned geographic district. Bachelor's degree or equivalent, plus two to three years of direct related experience or a master's degree or equivalent, plus one to two years of directly related experience. THIS IS A FIXED TERM 1 POSITION.

SECURITY OFFICER, DELAWARE COUNTY CAMPUS — Responsible to the Business Manager for the hiring, training, scheduling and supervision of security personnel and devices and implementing campus safety and security programs. Bachelor's degree, or its equivalent, in criminal justice, law enforcement, criminology or a closely related field, plus minimum of one year of effective law enforcement and safety experience.

ADMINISTRATIVE AIDE, COLLEGE OF EARTH AND MINERAL SCIENCES, UNIVERSITY PARK — MAINTENANCE SCHOOL — Maintain financial accounts, prepare teaching materials for faculty, maintain records, prepare reports, conduct placement surveys, counsel students and oversee physical plant operations. Requires two-year business degree or equivalent, with one to two years of effective experience, or high school education with two to four years of effective experience. POSITION FUNDED TO JUNE 30, 1982, WITH POSSIBLE REFUNDING.

SENIOR BENEFITS SPECIALIST, OFFICE OF PERSONNEL ADMINISTRATION, UNIVERSITY PARK — Duties include meeting with University employees, retirees and beneficiaries concerning the University's insurance and retirement programs. Prepare retirement estimates. Assist with planning and conducting pre-retirement counseling programs. Contact employee beneficiaries to arrange for settlement of life insurance proceeds. Verify the eligibility of employees registered for courses under the educational privileges policy. Bachelor's degree or equivalent in business administration, plus two to three years of directly related experience in areas of life insurance, health care benefits and retirement counseling.

SUPERVISOR, ENGINEERING MACHINE SHOP, COLLEGE OF ENGINEERING, UNIVERSITY PARK — Responsible to Coordinator, Engineering Facilities,

for the operation of the Engineering Machine Shop. Duties and responsibilities include developing cost estimates for proposed projects, reducing concepts to final designs, supervising and assigning work, maintaining inventory control of materials, tools and shop equipment. Direct the keeping of time records for Engineering Shop Services, and charging the budgets for projects and/or materials. Serve as Physical Plant contact for services in Hammond and Sackett Buildings. Serve as back-up for Physical Plant Coordinator and as Alternate Safety Officer. Associate degree in engineering or equivalent. Broad knowledge of machine shop practice, sheet metal fabrication, woodworking, and electrical and general shop maintenance required, plus three to four years of effective experience.

SENIOR SYSTEMS ANALYST, MANAGEMENT ENGINEERING, UNIVERSITY PARK — Responsible to a senior staff member for the design and implementation of innovative systems. Interact with customers in defining problem areas and formulating logical statements and devising solutions. Conduct studies of major systems problems, developing decisions using systems analysis techniques. Act as project leader for directing analyses, programming, implementation of data processing systems. Bachelor's degree or equivalent in industrial engineering or basic computer systems and systems planning, plus over four years and including seven years of effective experience in systems development and operations. Ability to communicate orally and in writing is required.

Seminars

Thursday, March 11
Ceramic Science, 11 a.m., 301 Steidle. Shelly Wiederhorn, National Bureau of Standards, on "Mechanical Reliability of Structural Ceramics."

Chemistry, 12:45 p.m., 333 Whitmore. Robert Abete, Brandeis Univ., on "Bioorganic Reaction Mechanisms."
Physics, 3:30 p.m., 117 Osmond. M. Kruskal, Princeton Univ., on "Theory of Solitons."

Monday, March 15
Physical Education, 3:30 p.m., 101 Kern. Robert Christina, physical education, on "A Twenty-Two Year Old Theory of Neuromotor Reaction Revisited."
Philosophy, 4 p.m., 75 Willard. Ernst Wollgast Orth, Univ. of Trier, Germany, on "Husserl's Concept of Reduction and Scientific Truth."

Wednesday, March 17
Physiology, 4 p.m., 121 Nell. Seymour Alper, Univ. of New Mexico, on "A Small Fish's Law Colorimeter for the Determination of Heat Loss in Animals."

Thursday, March 18
Chemistry, 12:45 p.m., 333 Whitmore. C.G. Etkin, Michigan State Univ., on "Triple Quadrupole Mass Spectrometry."
Physics, 3:30 p.m., 117 Osmond. T. Kinoshita, Cornell Univ., on "High Precision Tests of QED and Related Topics."
Computational Fluid Dynamics, 4 p.m., 232 Hammond. I.E. Carter, United Technologies Research Center, on "Analysis of Separately Boundary Layer Flows."
Philosophy, 4 p.m., 101 Kern. Merold Westphal, Hope College, Michigan, on "Hegel's Radical Idealism: Family and State as Ethical Community."

Tuesday, March 23
Computer Education, VM/CMS, 7:30 p.m., 108 Forum, also March 25, 30, April 1; Interactive Graphics, 7:30 p.m., 110 Computer Bldg., also March 25, 30, April 1, 6, 8, 13, 15.

Thursday, March 25
Chemistry, 12:45 p.m., 333 Whitmore. Peter C. Vohlhard, Univ. of California, Berkeley, on "Transition Metal Catalyzed Carbon-Carbon Bond Formation."
Economics, 3 p.m., 101 Kern. Bennett T. McCallum, Carnegie-Mellon Univ., on "Recent Developments in Macro and Micro Economics."

INTERCOM is an internal communications medium published weekly during three terms of the class schedule and bi-weekly during the Summer Term for the faculty and staff of The Pennsylvania State University. USPS #35-100

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Carpoolers

John McClelland is looking for a ride or would like to share the driving from the Houtzdale-Philipsburg area to the University. He works from 8 a.m. to 5 p.m. in Electrical Engineering East. He can be reached at either 865-7667 or 876-7800.

Beth Mussner needs a ride from Bellefonte (Continental Courts) to the University. She can be reached at 865-1102 or 355-7302 and works from 8 a.m. to 5 p.m. in White Bldg.

Joanne Preaster is looking for riders and/or drivers for a carpool from Lewistown to the University. Her working hours are from 8 a.m. to 5 p.m. and she can be reached at 865-2536 or (717) 543-SS17.

Obituaries

Blair D. McGinnis, a poultry worker in the College of Agriculture, died Feb. 24. He was 45 and had been employed by the University since 1972.

Edgar Udine, an assistant in entomology Extension in the College of Agriculture, died Feb. 17 at the age of 80. He joined the staff in 1944, retiring in 1967.

Ammonia likely Creamery blast cause

University safety officials have established a probable cause for an explosion on Monday, March 1, at the University Creamery.

"It appears that the explosion was caused by the rapid expansion of ammonia vapors after liquid ammonia became trapped in the refrigerant compartment of an ice cream processing tank," says Howard O. Triebold Jr., manager of safety.

The 600-gallon tank had been used that morning for the processing of ice cream, and Creamery employees were cleaning it when the explosion took place.

Two Creamery employees were injured in the explosion. Harry D. Russler, helper-general, was admitted to Centre Community Hospital with first-degree burns to his face and arms and ammonia inhalation. At press time, he remained hospitalized in good condition. Howard Moore, delivery driver, received treatment at the same hospital for ammonia inhalation.

Liquid ammonia is used as a refrigerant in the lining of tanks in which ice cream is processed. That morning, employees had been draining ammonia from the system feeding this tank and others so that maintenance could be done to the ammonia lines.

University safety officers think some ammonia may have become trapped in the lining of this particular tank. When Creamery employees started to clean the tank with hot water, the ammonia vapors expanded rapidly, causing the rupture of the vessel.

WPSX seeks funds in 16-day drive

WPSX-TV, Channel 3, the University's public television station, is seeking financial support from viewers during a 16-day on-air fundraising effort which began March 6. The drive is one of two the station conducts each year, coinciding with similar efforts by public television stations around the country.

WPSX-TV's financial goal for the event, "Festival 82," is \$100,000. The station will use the funds to cover the costs for both program acquisition and production.

According to WPSX-TV program director Susan H. Steinmeyer, some program acquisition costs have gone up by at least 25 percent. "American Playhouse," for example, cost the local station \$28,885 last year but will be \$39,372 for the 1982-83 season. In addition to rising costs, the station faces a loss in revenue of between \$114,000 and \$173,000 due to federal budget cuts in appropriations for public television.

Personnel from the University Libraries, Penn State's Open Learning program, and the Shaver's Creek Environmental Center will be among the volunteers taking telephone pledges during "Festival 82." Contributions can be pledged any evening by calling 863-2800 or by mailing a check (made payable to WPSX-PSU) to "Festival 82," Wagner Annex, University Park.

Kozak awards established

Penn State's Alpha Tau Chapter of Phi Delta Kappa, professional educational fraternity, has established the Andrew V. Kozak Awards, honoring Dr. Kozak, who was an associate professor of education at the University from 1958 until his retirement in 1976.

One to three awards, ranging from \$1,500 to \$4,500 annually, will be made to Penn State graduate students in any aspect of education. Nominations, which should be from Phi Delta Kappa members, close March 30. Further information is available from Dr. Gordon C. Godbey, Room 301 Ricketts, to whom nominations should be sent.

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23 new faculty receive research initiation grants

(Continued from page 1)

Campus, and J. Stephen Kroll-Smith, instructor of sociology, Hazleton Campus, Community and disaster in Centralia, Pennsylvania; Stephanie Doores, assistant professor of food science, Risk/benefit assessment of a novel foodborne organism;

Robert B. Duckworth, assistant professor of medicine, Hershey, The development and pathophysiology of brainstem auditory evoked responses in newborn dog pups; Roger P. Gaumond, assistant professor of bioengineering, Neurophysiological response measures based on Markov chain neural models; Bernard Gordon III, assistant professor of polymer science, Heat stable thermoplastic elastomers and polymers;

John T. Harwood, associate professor of English, The rhetorical world of Restoration science; Christopher K. Hertzog, assistant professor of human development, Components of adult intellectual change; Paul R. Howell,

associate professor of metallurgy, Reaustenization and the partitioning of manganese between austenite and ferrite during intercritical annealing of dual phase steels;

Stephen R. Karl, assistant professor of surgery and pediatrics, Hershey, Ventilation by high-frequency oscillation in newborn children and lambs; Ronald S. Kensinger, assistant professor of animal nutrition-physiology, Bovine placental lactogen: purification and an investigation of its physiological function in the dairy cow; Anil K. Kulkarni, assistant professor of mechanical engineering, A theory for defluiddized regions around a horizontal tube immersed in a fluidized bed; Robert T. McGrath, assistant professor of nuclear engineering, Redeposition of the sputtered surface in tokamak limiters; James E. O'Brien, assistant professor of mechanical engineering, Photometrically measured local heat transfer in a corrugated duct; Kurt H. Parkum, assistant professor of health care and organizational behavior, Capitol, Hospital support mechanisms for

patient satisfaction;

David L. Questad, assistant professor of engineering science and mechanics, Viscoelasticity in highly deformed polymers; Sudhir K. Sastry, assistant professor of agricultural engineering, Heat transfer during the freezing of foods: an approximate solution approach; Alan W. Scaroni, assistant professor of fuel science, Improving the coking behavior of marginal coking coals; John B. Stea, associate professor of physical education, How to improve the flexibility of memory for motor skills in the elderly;

Gordon L. Shulman, assistant professor of psychology, Ability to attend to different aspects of a complex display is mediated by attending to frequency channels; John E. Smith, associate professor of human nutrition, The regulation of serum vitamin A transport by genetic factors; Robert F. Wideman, assistant professor of poultry science, Radioimmunoassay of avian parathyroid hormone.

Funding Sources

For further information, call 865-1372

(377-1) The National Science Foundation supports a Small College Faculty Research Opportunity Awards program whereby a faculty member with limited research opportunities may arrange to work with an investigator at another institution (or another campus location - same institution) where that investigator holds or is applying for an NSF research grant. The grantees may request supplemental funding to cover the additional costs. Supplemental funds require a brief proposal, describing the research, its budget and a biographical sketch. Each NSF research directorate handles the supplemental funds requests for its programs. Additional information is available. (Ref. NSF Grants for Scientific and Engineering Research, NSF 81-79) (File 1697-6)

Behrend sets up economic research institute

Behrend College will establish a research center which will focus on topics related to the economic development of northwestern Pennsylvania, Behrend Dean John M. Lilley has announced.

The center, to be known as the Economic Research Institute for Erie (ERIE), will undertake activities that are of value to the community and region, consistent with the academic mission of the College, and within the areas of expertise encompassed by Penn State-Behrend faculty members.

Two major research missions are envisioned for ERIE. The first is the collection, analysis, interpretation and dissemination of data and information on the regional economy. When and where appropriate, sponsored research projects aimed at evaluating particular projects related to the region's economy will be undertaken.

ERIE's second major mission is the development of economic models which will provide the Erie region's business and industrial communities with timely and useful information. These models will enable the Institute to forecast regional economic activity and to assess the impact of a variety of actions, such as layoffs, expansions, tax rate changes, energy costs, etc.

Dr. Barry R. Weller, an associate professor of economics at Behrend, will serve as director of the Institute. Dr. Weller's specialty is in the area of economic forecasting.

An Advisory Committee will be formed, including the director, dean, associate dean, and the head of the division of social and behavioral sciences from Behrend, and approximately 10 representative community leaders.

University Park Calendar

Spring Term 1982



Thursday, March 11

Classes begin.
Continuing Education registration, 10 a.m.-4 p.m., 101 Kern.
GSA Workshop, "Resume Writing," 7 p.m., 102 Kern.
Kern Classics, *One Flew Over the Cuckoo's Nest*, 7 and 9 p.m., 112 Kern.
HUB Craft Center, Open House, 7:30-9:30 p.m., 312 HUB.
Penn State Dames meeting, 7:30 p.m., 101 Kern.
Piano recital by Harry Hannigan, Bucknell Univ., 8:30 p.m., Music Bldg. Recital Hall.

Friday, March 12

Cooperative Art Assoc., print sale, 10 a.m.-4 p.m., Kern Lobby. Also March 13.
University Committee Concerned with Women in International Development forum. Dr. Elise Boulding, author and holder of the chair in sociology, Dartmouth College, on "The Invisibility of Women in Development: Breaking the Perceptual Barriers," noon, HUB Assembly Room. Dr. Constantia Safilios-Rothschild, human development, on "Hard Questions and Hard Data about Women in Development," 9 a.m.-203 Keller.
Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. Eugene Borza, history, on "Modern Perceptions of Ancient Greece."
Commonplace Theatre, *One Flew Over the Cuckoo's Nest*, 7 and 9 p.m., 112 Kern. Also March 14.
GSA Coffeehouse, 8 p.m., 102 Kern.

Saturday, March 13

Shaver's Creek Environmental Center, Maple Sugar Training Session for Volunteers, 10 a.m.-3 p.m.
France Cinema, Fassbinder, *The Marriage of Maria Braun*, 7 and 9 p.m., 112 Kern. Also March 15.
Artists Series, Paul Gauguin Mime Company, *Mirage*, 8:30 p.m., Eisenhower Auditorium.
Sports: gymnastics (men) vs. Chicago-Illinois; fencing (women), Eastern All-American Championships, also March 14.

Week of March 15

Monday, March 15

Fixed date for meetings involving Commonwealth Campus faculty. Also March 16 and 17.
HUB Craft Center, Spring Term first session classes begin, 112 HUB.
English Colloquium, 8 p.m., 101 Kern. Teveter Todorov on "Self and Other: An Historical Perspective."
IAHS lecture, 8 p.m., Rare Books Room, Pattee. N.G.L. Hammond, prof. emeritus of Greek, Bristol Univ., on "The Great Macedonians."
Recital, Randolph Kelly, principal violinist, Pittsburgh Symphony, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, March 16

Lutheran Council for Campus Ministry, "Bach's Lunch," featuring Kay Putman, noon, Eisenhower Chapel.
Comp. Lit. Luncheon, 12:15 p.m., 204 HUB.
Roland Fleischer, art history, on "Emblematic References in Colonial Painting."
Open rehearsal, Pittsburgh Symphony Chamber Orchestra and student soloists, 3:50-3 p.m., Eisenhower Auditorium.
GSA Council meeting, 7:15 p.m., 101 Kern.
Rehearsal, Pittsburgh Symphony Opera Orchestra and Penn State Symphony, 7:30-10 p.m., Eisenhower Auditorium.
Penn State Chapter of the America Society for Metals meeting, 7:30 p.m., 301 Steidle. Dr. G.J.W. Kor, U.S. Steel Research Laboratory, on "Electromagnetic Stirring of Freezing Low Carbon Steels."
IAHS lecture, 8 p.m., 124 Sparks. Dr. Ulrich Weinzierl on "Österreichische Literatur im Exil (Austrian Literature in Exile)."

Wednesday, March 17

Rehearsal, Pittsburgh Symphony Chamber Orchestra and student soloists, 10 a.m.-noon, Eisenhower Auditorium.
Faculty Women's Club, lecture and brown bag lunch, 11:45 a.m., Faculty Club. Joseph McCurdy, agricultural engineering extension, on "Ways to Save Energy in the Home."
Master class, bassoon, Leonard Scharrow, 1 p.m., place to be announced.
Master class, oboe, Eldon Gatwood, 3 p.m., place to be announced.
History of Photography lecture, 4 p.m., 230 Arts Bldg. Larry Schaaf, Johns Hopkins Univ., on "Paul Martin, Victorian Pioneer, and His Influence on Amateur Photography and Wood Engraving."
Rehearsal, Pittsburgh Symphony Orchestra, 7:30-10 p.m., Eisenhower Auditorium.
GSA Irish Social, 8 p.m., 102 Kern.

Thursday, March 18

Summer Employment Day, 9 a.m.-4:30 p.m., HUB Ballroom.
Rehearsal, Pittsburgh Symphony Orchestra Chamber Orchestra and student soloists, 10 a.m.-noon, Eisenhower Auditorium.
Commons Videotape Series, *Sneak Previews*, noon, Kern Lobby. Also March 25, April 1, 8, 15, 22, 29, May 6.
STS/Three Cultures Dialogue, 12:20 p.m., 101 Kern. Theodore R. Vallance, human development, on "Program Implications of Long and Short Range Policies in Mental Health Services."
Concert, Pittsburgh Symphony players, 12:30 p.m., Music Bldg. Recital Hall.
IAHS/History Dept. lecture, 1:30 p.m., 112 Kern. John Lukacs on "The Historical Problem of Hitler."
Gauguin Sigma Delta lecture, 3:55 p.m., 117 Osmond. T. Kinoshita, Cornell Univ., on "High Precision Tests of QED and Related Topics."
Kern Classics, *Harry and Tonto*, 7 and 9 p.m., 112 Kern.
New German Cinema, Wenders, *The American Friend*, 7 and 9 p.m., HUB Assembly Room. Also March 19.
Museum of Art film, *The Light of Experience*, 7 p.m., First Floor Gallery.

Friday, March 19

Board of Trustees meeting, The Milton S. Hensley Medical Center. Also March 20.
Commons Noontime Concert, "State College Suzuki Program," Kern Lobby.
Master class, brass quintet, Pittsburgh Symphony players, 2 p.m., Music Bldg. Recital Hall.
Master class, percussion, Pittsburgh Symphony players, 3 p.m., 1 Music Bldg.
Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. Rafiqul Huda Chaunbury, Bangladesh Institute of Development Studies, Dacca, on "Population Pressure, Land Tenure Patterns, and Population Growth in Rural Bangladesh."
Master class, organ, Leonard Raver, 4 p.m., Music Bldg. Recital Hall.
IAHS workshop, Leonard Raver, organist, 4:50-3 p.m., Music Bldg. Recital Hall.
Commonplace Theatre, *Time Bandits*, 7 and 9 p.m., 112 Kern. Also March 21.
GSA Coffeehouse, 8 p.m., 102 Kern.
Artists Series, Pittsburgh Symphony Orchestra, Michael Tilson-Thomas conducting with Oscar Shumsky, violin soloist, 8:30 p.m., Eisenhower Auditorium. Also March 20.

Saturday, March 20

Artists Series, Pittsburgh Symphony Orchestra
Gallery Talk, 10:30 a.m., Eisenhower Auditorium.
Master class, flute, Pittsburgh Symphony principal flutist Bernard Goldberg, 1:30 p.m., Music Bldg. Recital Hall.
France Cinema, Herzog, *Nosferatu*, 7 and 9 p.m., 112 Kern.

Sunday, March 21

Sports: volleyball (men) vs. George Mason, 2 p.m.

Week of March 22

Monday, March 22

Late registration deadline.
Add deadline.
IAHS lecture, 7:30 p.m., 101 Kern. J. Thomas Rimer, Washington Univ., St. Louis, on "Europe as Art Object: Three Japanese Painters in Paris."
Anne Waller, guitar, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, March 23

Recital Hall, 10:30 a.m., Museum of Art, Nicholas I. Gianopoulos, architectural engineer and chairman, Keast and Hood Co., Phila., on "Architectural Presentation: Case Studies."
Lutheran Council for Campus Ministry, "Bach's Lunch," featuring Allen Fogelsanger, noon, Eisenhower Chapel.
Comp. Lit. Luncheon, 12:15 p.m., 204 HUB. J. Thomas Rimer, Dept. of Chinese and Japanese, Washington Univ., on "Bao's Frog: Haiku in London, Paris, and New York."
IAHS lecture and recital, 1 p.m., Music Bldg. Recital Hall. Antoine Ture, French composer, with violin/piano duo, Adele Auriol and Bernard Fauchet.
GSA election meeting, 7:15 p.m., 101 Kern.

Wednesday, March 24

Deadline for May graduates to pay theses fees at Bursar's Office and to activate diploma cards in Records Office.
Commons Noontime Chess Challenge.
"Challenge the Masters," Kern Lobby.
English Colloquium, 8 p.m., 101 Kern. Gerald Graff on "The Politics of Literary Theory."
IAHS concert by Penn State faculty, 8:30 p.m., Music Bldg. Recital Hall. World premiere of Tisne's work performed by Steven Smith.

Thursday, March 25

Kern Classics, *Lords of Flatbush*, 7 and 9 p.m., 112 Kern.

New German Cinema, Herzog, *Heart of Glass*, 7 and 9 p.m., HUB Assembly Room.
Opera workshop performance, 8 p.m., Pavilion Theatre.

Friday, March 26

History of Photography lecture, 3:30 p.m., 101 Kern. Robert Sobieszek, George Eastman House, Rochester, on "Photographic Portraiture: Faces and the Human Soul."
Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. Thomas Hubka, prof. of architecture, University of Oregon, on "Maine Farmers: The Connected Farm Architecture of Northern New England."
Vergil Celebration, 4 p.m., 112 Kern. Lecture by Allen Mandelbaum, CUNY Graduate Center.
Commonplace Theatre, *For Your Eyes Only*, 7 and 9 p.m., 112 Kern. Also March 28.
E.W. Mueller Memorial lecture, 8 p.m., 117 Osmond. Sir N.F. Mott, Nobel laureate in physics, Cambridge Univ., on "Conduction in Non-Crystalline Materials: Solved and Unsolved Problems."
GSA Coffeehouse, 8 p.m., 102 Kern.
Sports: softball, Lady Lion Invitational. Also March 27.

Saturday, March 27

Vergil Celebration, 4 p.m., 101 Kern. Elizabeth Block, Dept. of Classics, Univ. of Pa., Mellon Fellow, Harvard Univ., on "Vergil's Audiences."
France Cinema, Bergman, *Life of the Marionettes*, 7 and 9:15 p.m., 112 Kern.
Sports: lacrosse (men) vs. Syracuse, 2 p.m.; volleyball (men) vs. Ohio State, 2 p.m.

Week of March 29

Monday, March 29

Pass/Fail
Keith Ward, pianist, 8:30 p.m., Music Bldg. Recital Hall.

Tuesday, March 30

Pass/Fail
Lutheran Council for Campus Ministry, "Bach's Lunch," featuring Anita Bealer, noon, Eisenhower Auditorium.
Comp. Lit. Luncheon, 12:15 p.m., 204 HUB.
Emily Groszholz, philosophy, on "Angels Language and the Imagination: Rilke and Baudelaire."
STS/Three Cultures Dialogue, 12:20 p.m., 101 Kern. Paul O. Woolley, Jr., health planning and administration, on "Utilitarian vs. Social Egalitarian Health Care Policies."
Artists Series, *The Sound of Music*, 8 p.m., Schwab Auditorium.

Wednesday, March 31

Drop deadline.
Preregistration deadline for Summer 1982.
Course Repeat deadline.
Commons concert, noon, Kern Lobby.
GSA Tax Workshop, 7 p.m., 101 Kern.
Artists Series, Emyln Williams as Charles Dickens, 8:30 p.m., Schwab Auditorium.
Sports: baseball vs. Bloomsburg (DH), 1:30 p.m.; volleyball (men) vs. Pittsburgh, 7 p.m.

Thursday, April 1

Commons Erikson Gallery Print Sale, 10 a.m.-4 p.m., Kern Lobby. Also April 1.
Kern Classics, *Hot Rock*, 7 and 9 p.m., 112 Kern.
New German Cinema, Hauff, *Knife in the Head*, 7 and 9 p.m., HUB Assembly Room. Also April 2.
Museum of Art film, *The Fallacies of Hope*, 7 p.m., First Floor Gallery.
Sports: lacrosse (women) vs. Towson State, 3:30 p.m.

Friday, April 2
Shaver's Creek Environmental Center, Baltimore/National Aquarium Eco-Tour, departure 7 a.m., Rec Hall. Registration: 238-5872. Bog Sucker Snooping, 6 p.m. Outdoor School parking lot. Also April 13.

Geography Dept. Coffee Hour, 3:40 p.m., 119 Walker. Peter Haggert, prof. of geography, Univ. of Bristol, on "Geography Looks at Epidemics."

Commonsplace Theatre, *The French Lieutenant's Woman*, 7 and 9:15 p.m., 112 Kern. Also April 3.

GSA Coffeehouse, 8 p.m., 102 Kern.

Contemporary Dance Company, 8:30 p.m., Eisenhower Auditorium. Also April 4.

Sports: tennis (women) vs. Brown, 2 p.m.

Saturday, April 3
Deadline for May graduates to deliver doctoral theses to committees.

France-Cinema, *Kurys, Peppermint Soda*, 7 and 9 p.m., 112 Kern. Also April 5.

Sports: baseball vs. Rutgers (DH), 1 p.m.; lacrosse (men) vs. Ohio State, 2 p.m.; volleyball (men) vs. Rutgers-Newark, 7 p.m.

Sunday, April 4
Sports: baseball vs. Mansfield (DH), 1 p.m.

Week of April 5

Monday, April 5
HUB Craft Center, registration for second session classes, noon, 9 p.m., 312 HUB.

London Bus tours begin, 1:30 p.m., HUB Main Entrance, 2:30 p.m., Shields Bldg.

Sports: lacrosse (women) vs. Ohio Univ., 3 p.m.

Tuesday, April 6
Commons Easter Plant Sale, 10 a.m.-4 p.m., Kern Lobby. Also April 7.

Lutheran Council for Campus Ministry, "Bach's Lunch," featuring Eric Retter, noon, Eisenhower Chapel.

Comp. Lit. Luncheon, 12:15 p.m., 204 HUB.

Giles Constable, Dumbarton Oaks, on "Religious Continuity of the High and Late Middle Ages," 2:10 p.m., 112 Kern.

Sports: softball vs. West Chester, 2:30 p.m.

IAHS lecture, 3:30 p.m., Rare Books Room.

Pattie, Giles Constable, Dumbarton Oaks, on "Transitions in Religious Life and Institutions in the Twelfth Century," Graduate School lecture, 7:30 p.m., 112 Kern.

Kingley Davis on "Demographic Foundations of the New Sex Roles,"

Wednesday, April 7
Sports: lacrosse (men) vs. Towson State, 3 p.m.

Artists Series, Cecile Licad, pianist, 8:30 p.m., Schwab.

Thursday, April 8
Sports: baseball vs. Lock Haven (DH), 1:30 p.m.

New German Cinema, *I Love You, I Kill You*, 7 and 9 p.m., HUB Assembly Room. Also April 9.

Penn State Dames meeting, 7:30 p.m., 101 Kern.

Friday, April 9
Geography Dept. Coffee Hour, 3:40 p.m., 119 Walker Bldg. Marc Treib, prof. of architecture, Univ. of California-Berkeley, on "Mapping Experience."

GSA Coffeehouse, 8 p.m., 112 Kern.

Saturday, April 10
Deadline for final oral doctoral examinations for May graduates.

Deadline for May graduate to deliver master's thesis on paper to advising.

Sports: tennis (men) vs. East Stroudsburg, Mercyhurst, and Rochester. Also April 11.

Sunday, April 11
Sports: baseball vs. Howard (DH), 1 p.m.

Week of April 12

Monday, April 12
Fixed date for meetings involving Commonwealth Campus faculty. Also April 13.

Deadline for May graduate to submit camera-ready thesis manuscript to Thesis Office.

History of Photography lecture, 3:30 p.m., 101 Kern. Felicity Ashbee, London, England, on "Photography in 19th Century Russia: William Carrick and His World."

IAHS film on Polish Jewry, *Image Before My Eyes*, 7:30 p.m., 101 Chambers.

College of Science, Priestley Lecture Series, 8 p.m., S-5 Omond. Daniel E. Koshland, Jr., Univ. of California-Berkeley, on "The Chemistry of Sensing and Regulation." Also April 13, 14 and 15.

Tuesday, April 13
Comp. Lit. Luncheon, 12:15 p.m., 101 Kern.

Tim Bahi, Comparative Literature Program, Cornell Univ., on "European Romanticism."

Sports: volleyball (men) vs. East Stroudsburg, 7 p.m.

GSA Council meeting, 7:15 p.m., 101 Kern.

HUB Craft Center, Open House and registration for second session classes, 7:30-9:30 p.m., 312 HUB.

Artists Series, *Tales of Hoffman*, 8 p.m., Eisenhower Auditorium.

Wednesday, April 14
Commons Concert, noon, Kern Lobby.

Sports: softball vs. Clarion, 2:30 p.m.

Un-Common Theatre, Student Preview, *Play It Again Sam*, 8 p.m., 112 Kern.

English Colloquium, 8 p.m., 101 Kern.

Timothy Bahti on "Auerbach Today,"

Thursday, April 15
New German Cinema, Fassbinder, *Satan's Brew*, 7 and 9 p.m., HUB Assembly Room. Also April 16.

Museum of Art Film, *The Hero as Artist*, 7 p.m., First Floor Gallery.

Un-Common Theatre, *Play It Again Sam*, 8 p.m., 112 Kern. Also April 16 and 18.

Friday, April 16
STS Three Cultures Dialogue, 12:20 p.m., 101 Kern. Frederick R. Eisole, social planning, on "The Issue of Aging: Integrating Short and Long Range Planning."

Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. Wilbur Zelensky, geography, on "Oh, Say Can You See? — The Impact of Nationalism on the American Landscape."

Artists Series, The Chinese Magic Circus of Taiwan, 8:30 p.m., Eisenhower Auditorium.

IAHS concert, Otto Luenning, American composer, 8:30 p.m., Music Bldg. Recital Hall.

Saturday, April 17
Shaver's Creek Environmental Center, Volunteer Training for Spring Ventures, 1-4 p.m.

Sports: baseball vs. St. John's (DH), 1 p.m.; track and field (men), Memorial Invitations — Fairleigh Dickinson, George Mason and Slippery Rock, 1 p.m.; lacrosse (men) vs. Rutgers, 7:15 p.m.; lacrosse (women) vs. Rutgers, 1 p.m.; tennis (men) vs. Bloomsburg, Colgate and West Virginia. Also April 18.

Un-Common Dinner Theatre, *Play It Again Sam*, dinner, 6:30 p.m.; performance, 8 p.m., 102 Kern.

Sunday, April 18
HUB Craft Center, second session classes begin.

Shaver's Creek Environmental Center, Bird Breakfast, 7 a.m.; Wildflower Walk, 2 p.m.

Week of April 19

Monday, April 19
Commons Secretaries' Week Plant Sale, 10 a.m.-4 p.m., Kern Lobby. Also April 20.

IAHS/Spanish Communication lecture, 4 p.m., 112 Kern. Lloyd Bizer, Univ. of Wisconsin-Madison, on "Miraculous Rhetoric: Hume and the 18th Century Dispute Concerning Miracles."

France-Cinema, Clement, *Forbidden Games*, 7 and 9 p.m., 112 Kern.

History of Photography lecture, 8 p.m., 101 Kern. John Taylor, Stourbridge College, England, on "Turn of the Century Style Movements: Linked Ring Brotherhood."

Tuesday, April 20
Gallery Talk, 10:30 a.m., Museum of Art. John Putz, Museum of Modern Art, on "Cubism in American Photography — 1910-1930."

Comp. Lit. Luncheon, 12:15 p.m., 204 HUB.

Athol R. Jennings, Headmaster, Waterford-Kamhlaha United World College, Swaziland, on "Alan Paton's *Ah, But Your Land is Beautiful*."

Dance workshop, student choreography presented, 5:45 p.m., White Bldg. Dance Theatre.

History of Photography lecture, 8 p.m., 101 Kern. John Taylor, Stourbridge College, England, on "Photography and Propaganda during the First World War."

Artists Series, *All That Jazz*, 8 p.m., Schwab.

Wednesday, April 21
Commons Concert, noon, Kern Lobby.

Graduate Council meeting, 3 p.m., 101 Kern.

Kern Classics, *Mao to Mozart*, 7 and 9 p.m., 112 Kern. Also April 22.

English Colloquium, 8 p.m., 101 Kern.

Goffrey Bocca on "The Serious Business of Humorous Writing."

Thursday, April 22
Sports: softball vs. West Virginia, 2:30 p.m.; tennis (men) vs. Maryland, 2:45 p.m.

New German Cinema, Schlöndorff, *Young Torres*, 7 and 9 p.m., HUB Assembly Room. Also April 23.

IAHS lecture, Dora de Pedery-Hunt, Canadian medalist, on her work, 8 p.m., Zoller Gallery.

Friday, April 23
Fourth Annual Slavic Folk Festival, 9 a.m.-10 p.m., Robeson Cultural Center. Also April 24, 9 a.m.-5 p.m.

Commonsplace Theatre, *Arthur*, 7 and 9 p.m., 112 Kern. Also April 25.

Faculty Women's Club Newcomer Program, Wine Tasting Party for Couples, 7:30 p.m., Living Center. Human Development. Guest speaker: Robert Beelman, food science. GSA Coffeehouse, 8 p.m., 102 Kern.

Saturday, April 24
Sports: tennis (women) vs. Princeton, 9:30 a.m.; lacrosse (women) vs. West Chester, 2 p.m.; golf (men), Nittany Lion Invitational, also April 25.

Artists Series, The Prince Street Players in *The Wizard of Oz*, 10:30 a.m. and 2:30 p.m., Schwab.

EMEX '82 — The Earth and Man Exposition, biennial open house, 1-5 p.m., College of Earth and Mineral Sciences.

France-Cinema, *Roeg, Walkabout*, 7 p.m.; *Weir, Picnic at Hanging Rock*, 9 p.m., 112 Kern.

Week of April 26

Monday, April 26
Deadline for May graduates to deliver thesis to Graduate School and for departments to certify to Graduate School completion of required papers for May graduates.

Faculty Women's Club, Spring luncheon, 11:45 a.m., Nittany Lion Inn.

Tuesday, April 27
Comp. Lit. Luncheon, 12:15 p.m., 204 HUB.

Barton Browning, German, on "Kulturspreit: English Attacks at the Court of Heinrich Julius von Braunschweig."

Sports: tennis (women) vs. Maryland, 2 p.m.; lacrosse (women) vs. Ursinus, 3:30 p.m.

Wednesday, April 28
Commons Concert, noon, Kern Lobby.

Thursday, April 29
Kern Classics, *Lolita*, 6 and 9 p.m., 112 Kern.

New German Cinema, *Handke, The Left Handed Woman*, 7 and 9:15 p.m., HUB Assembly Room. Also April 30.

Museum of Art Film, *Heroic Materialism*, 7 p.m., First Floor Gallery.

Orchestrals Dance Group, 8:30 p.m., White Bldg. Dance Theatre. Also April 30.

Friday, April 30
Shaver's Creek Environmental Center, A Whale of a Weekend, through May 2. Departure 1 or 4 p.m., Rec Hall. Registration: 238-5872.

Commonsplace Theatre, *Le Cag, Aux Folles*, 7 p.m.; *Tess*, 8:30 p.m., 112 Kern.

Artists Series, The Gregg Smith Ensemble, 8 p.m., Schwab.

Sports: golf (men), Alumni Tournament. Also May 1.

Saturday, May 1
Sports: track and field (men), Nittany Lion Relays, noon; Blue-White football game, 2 p.m.; lacrosse (men) vs. Montclair State, 8 p.m.; tennis (men) vs. Bowling Green, Mercyhurst and Ohio. Also May 2.

Orchestrals Dance Group, 2:30 and 8:30 p.m., White Bldg. Dance Theatre.

France-Cinema, Fassbinder, *Li'l Marleen*, 7 and 9 p.m., 112 Kern. Also May 3.

Week of May 3

Monday, May 3
First day to sign Summer Term NDSL and University Long Term Loans, 108 Shields.

Sports: baseball vs. Juniata, 3 p.m.

Tuesday, May 4
Comp. Lit. Luncheon, 12:15 p.m., 204 HUB.

Alphonsio Linch, philosophy, on "Black Gods."

University Faculty Senate meeting, 2:10 p.m., 112 Kern.

Sports: tennis (men) vs. Bucknell, 2:30 p.m.

Wednesday, May 5
Late drop deadline.

Commons Concert, noon, Kern Lobby.

Sports: baseball vs. Indiana Pa. (DH), 1:30 p.m.; lacrosse (women) vs. Princeton, 3:30 p.m.

IAHS lecture, 8 p.m., 101 Kern. Erich S. Gruen, Univ. of California, Berkeley, on "Augustus and Alexander: Ideology of Empire."

Thursday, May 6
HUB Craft Center sale, 10 a.m.-4 p.m., Fisher Plaza. Also May 7.

Kern Classics, *Sleuth*, 7 and 9 p.m., 112 Kern.

New German Cinema, Herzog, *Swarg*, 7 and 9 p.m., HUB Assembly Room. Also May 7.

Assoc. of Ancient Historians Annual meeting, sponsored by IAHS, through May 9.

Friday, May 7
Last day for signing Spring Term NDSL and University Long Term Loans, 108 Shields.

Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. John Opie, prof. of history, Duquesne Univ., on "The Aesthetics of Arid Lands."

Commonsplace Theatre, *Stripes*, 7 and 9 p.m., 112 Kern. Also May 9.

GSA Coffeehouse, 8 p.m., 102 Kern.

Sports: volleyball (men), NCAA Championships. Also May 8.

Saturday, May 8
Shaver's Creek Environmental Center, Earth-Sky Workshop conducted by Joseph Cornell, 4 p.m. Registration: 238-5872.

France-Cinema, Herzog, *Aguirre, the Wrath of God*, 7 and 9 p.m., 112 Kern.

Archaeological Institute of America lecture by Calin Edmonson, 8 p.m., 101 Kern.

Sunday, May 9
Honors Convocation, 2 p.m., Eisenhower Auditorium.

Penn State University Dancers Annual Mother's Day performance, 3 p.m., 132-133 White Bldg.

Week of May 10

Monday, May 10
Sports: golf (men), NCAA District II Playoffs at Totters; baseball vs. Gettysburg, 1:30 p.m.

Tuesday, May 11
IAHS lecture, 12:45 p.m., 318 Willard. Francois Suard, Univ. of Lille, France, on "Chretien de Troyes' Eric et Enid" (in French).

GSA Council meeting, 7:15 p.m., 101 Kern.

Wednesday, May 12
Commons Concert, noon, Kern Lobby.

Thursday, May 13
Fixed date for meetings involving Commonwealth Campus faculty. Also May 14.

Friday, May 14
Deadline for graduate students to submit petition to Records Office to graduate in absentia in May.

STS Three Cultures Dialogue, 12:20 p.m., 101 Kern. Talks by Donald H. Ford, human development, and Marlene Wadsworth, family studies.

Sports: track and field (men), Penn State Open, 3 p.m.; golf (men), Lady Lion Invitational, through May 16.

Commonsplace Theatre, *Altered States*, 7 and 9 p.m., 112 Kern. Also May 16.

GSA Coffeehouse, 8 p.m., 102 Kern.

Saturday, May 15
France-Cinema, De Broca, *Practice Makes Perfect*, 7 and 9 p.m., 112 Kern. Also May 17.

Week of May 17

Wednesday, May 19
Spring Term classes end, 9:55 p.m.

Last day for signing Spring Term Emergency Loans, 108 Shields.

Graduate Council meeting, 3 p.m., 101 Kern.

Thursday, May 20
Final examinations, through Monday, May 24.

Kern Classics, *The Eagle Has Landed*, 7 and 9 p.m., 112 Kern.

Friday, May 21
Commonsplace Theatre, *Annie Hall*, 7 and 9:15 p.m., 112 Kern. Also May 22.

Week of May 24

Tuesday, May 25
University Faculty Senate meeting, 2:10 p.m., 112 Kern.

Thursday, May 27
Board of Trustees meeting, Keller Bldg. Also May 27.

Saturday, May 29
Spring Term Commencement, 10:30 a.m., Beaver Stadium.

The importance of physical activity as a means of enhancing the quality of human life is as old as Greek civilization (the Olympic Ideal) and as wide as the planet (from the jogging and racketball culture of modern America to the ritualistic calisthenics of China to the swimming and tennis mania of Australia). One cannot really question the place of physical education in the university setting — it belongs.

However, how one deals with physical education courses in the university curriculum is open to question.

The Penn State catalog states the purpose of Ph Ed 005 to be "... to develop physical and recreational skills," but just what value these "skills" have in the academic program seems to be either assumed or ignored. I believe that there is a difference between the life enhancement effect of physical activity and the actual importance of "skills."

If the courses are to be graded on the actual skill level of the students at the end of the term, then these courses are like any other in the university and should be treated the same way in terms of credits and grade points. However, I don't think skills are that rigorously graded. The usual grading system seems to be based on "improvement" or "participation" or "relative skill," whatever these are. This sham of skill evaluation makes the present system grade inflationary.

This ambiguous grading situation is a direct result of the confusion of the purpose of these required Ph Ed courses. We require the courses because we value physical activity but we really don't want to flunk anybody just because of a lack of proficiency at some "silly" game. At the same time, we really don't think 3 credits of "A" in Ph Ed 005 under the present system should balance out 3 credits of "F" in History 21.

There are two ways around this situation: We could say we really do value, not just activity, but skills in physical activities and rigorously grade the skill level of the students in the required Ph Ed courses. Or we could say that what we value is some kind of physical activity for all students and make the required physical education courses strictly pass-fail courses.

I think the rigorous skill grading option makes sense for Plato's Academy and that the pass-fail option makes sense for Penn State.

Leo H. Takahashi,
Assistant Professor of Physics,
Beaver Campus

What bothers me as an advisor is the difficulty students have in scheduling their physical education classes. I've seen advisers who were willing, for example, to take a tennis class at any time it was scheduled to be rejected twice in a row. If I were a student, I'd be very provoked about it.

I think if we are going to require phys. ed., then courses should be more readily available. If the program can't be adequately staffed, perhaps it should be made a lesser requirement.

Because of the difficulty in scheduling, some students are forced to take physical education classes in which they aren't interested, and I think that's a strong argument for allowing them to take phys. ed. pass-fail. Moreover, if students wind up in classes they're not interested in, what good does it do them?

I'm concerned that with the changeover to the semester system, the scheduling problem for phys. ed. is going to be even more difficult.

June Miller,
Associate Professor of Music

A number of universities do not require that their students take physical education. At Penn State, it is not only compulsory, but under BDR III, it can no longer be taken pass-fail. In connection with the Faculty Senate forensics session on physical education this month, INTERCOM asked several faculty members to comment on the topic.

Should P.E. be required? The answer depends upon two things: what a university degree is supposed to represent and what a grade point average is supposed to measure. If you take the attitude that the university is to produce well-rounded individuals prepared to meet the challenges of the real world (a charter usually associated with high school education), then you can argue that physical education is part of that training. A slight extension of this type of reasoning leads to the conclusion that P.E. should be required of all graduate students as well. I think that requiring phys. ed. at the B.S. or the Ph.D. level is ridiculous. Such essential skills as writing and speech should be and are required at both the undergraduate and the graduate levels. I can't imagine, however, that a prospective employer would choose an employee based on level of proficiency in badminton. From the student's point of view, I can see where a computer science major might not want his or her inability to make contact with the birdie averaged in with laboriously developed skills in numerical analysis.

In short, I am against having physical education as a required course, and I am strongly against having it included in the GPA even as an elective course.

These comments come from an avid physical fitness and sports enthusiast. The athletic facilities available to students here at University Park are outstanding. The P.E. courses offered represent excellent opportunities to develop skills at new sports, to enhance proficiency at more familiar sports and just to have fun. Judging by the sizable memberships boasted by organizations such as the squash or rugby clubs and by the enormous number of participants in the intramural sports program, it is clear that none of the sports facilities here on campus suffers from neglect. Though course enrollment is sure to decline if mandatory phys. ed. is eliminated, I don't believe that any of the courses presently offered in the physical education department would disappear entirely due to lack of enrollment.

Robert T. McGrath,
Assistant Professor of Nuclear Engineering

In 1908, Penn State mandated a two-year physical education requirement for all freshman and sophomore men. By the academic year 1914-15, physical education for all students, both men and women, was required for two years. It becomes clear that required physical education at Penn State has enjoyed a long and successful tradition. To argue for continuance of a physical education requirement based solely on history and tradition is, in my opinion, illogical and unsound. When one considers, however, the excellence of the Basic Physical Education Program at Penn State — excellence that has been demonstrated repeatedly — as well as the signals being sent from all sectors of our society pointing to the need for physical education instruction at all levels of education, then I believe these are factors that must not be ignored.

Our nation's principal health agency — the Public Health Service — has recognized physical education as an essential element of preventive health care. A recent Surgeon General's Report supports the inclusion of physical

education instruction at all levels of education that promotes lifetime habits of vigorous exercise. On January 18, 1982, the United States Department of Education's Office of Post Secondary Education resolved to push for, at the university level, instruction in physical education not only for its obvious physiological benefits, but for its contributions to stress management.

The quality of life should be important to all of us. It's clear that physical education can contribute to the improvement of the overall quality of one's life. In fact, the University's plan for the '80s strongly supports placing a higher value on the quality of life in the decade ahead and lists a variety of health-related areas as vehicles to carry out this commitment.

Recently, the University sponsored a Conference on General Education. I found it interesting that even though representation from the College of HPER in the program was absent, two of the panel discussions underscored the need to include instruction in physical education as part of a baccalaureate education.

Learning lifetime sports provides students with positive outlets in a society very much concerned about what its citizens do in their leisure time. We must educate individuals not for a brief portion of their lives, but for a lifetime. I feel that instruction in physical education can make meaningful contributions to that end.

In conclusion, based on the proven excellence of the Basic Instruction Program and the demonstrated need for this type of instruction, I support the continuance of Physical Education 005 as part of the Baccalaureate Degree Requirements.

James G. Thompson, Acting Head,
Associate Professor of Physical Education

I'm not only very much in favor of the continuance of compulsory physical education at Penn State for undergraduates, but I'd like to see it for professors, too. I think too many professors are out of shape, and I've heard a number of faculty members lament that they wish they'd discovered the advantages of regular exercise much earlier in life.

Having compulsory physical education forces students to establish a regular daily or every-other-day regimen of exercise. Students often complain that they don't have time to exercise, but if they become used to scheduling some activity regularly, after they leave school, they're more likely to keep it up.

Another reason for compulsory phys. ed. is that it makes people learn new sports. Sometimes we're afraid to try something new because we think we'll appear foolish. But in a situation where everyone is a novice, no one has to feel embarrassed. I think team sports are especially good for students because they encourage cooperative effort, and the benefits of this kind of cooperation go far beyond any college phys. ed. class. American industry, for example, has recently started to use a team approach in which workers compete — in a cooperative way — after seeing the success of such efforts in Japan and Sweden.

Although I am strongly in favor of

compulsory physical education, I think students should be allowed to take these courses pass-fail if they wish. Certainly, they should get academic credit for them. They are putting in a considerable amount of time and effort, and they are gaining something in terms of their own lives both at this moment and in the long-term. That's what any academic course is about.

Murry R. Nelson,
Assistant Professor of Education

I think physical education should be compulsory because we are supposed to be educating people in all areas, and knowing something about your body and how to keep in shape is important and something that people will use the rest of their lives.

Anything worth requiring is worth grading, but I personally feel that physical education should be taken pass-fail. It's still possible to show your disapproval with pass-fail grading — i.e., an "F" requires that a student retakes the course. The criteria for pass-fail grades should be both objective and subjective. Students should be required to have a knowledge of the sport and be able to produce that knowledge on an exam. More subjective criteria would be attendance, attitude and improvement. Pass-fail grades in required phys. ed. courses won't damage a student's grade point average, but they insure, first, that students will show up for class and then that they perform both by written examination and actual participation in the sport.

I've talked to many people who took physical education classes grudgingly in college, but find that now, 10 to 15 years after graduation, they're still carrying on the sport. Their courses were valuable, something they could use for the rest of their lives.

Athletics are certainly an important part of my life. I'm a weight-lifter and faculty advisor to the Penn State Barbell Club, so perhaps that may bias my opinion.

Robert A. Schlegel,
Assistant Professor
of Molecular and Cell Biology

I assume that Penn State has always followed the Greek tradition of educating the whole person. Allowing for obvious exceptions, then, physical education ought to be required for the same reasons that humanities courses are required for engineering students and science for theatre majors: it's good for them. I'm sure studies would bear out my suspicions that, overall, "physically educated" people are healthier and happier than people not "physically educated." Further, education is mostly a sedentary business which tends to reinforce the artificial separation of mind from body; physical education can help correct that.

As for giving credit for physical education, why not? If a rose is a rose and so on, then a credit is a credit is a credit; this last has echoed across faculty senate meetings rooms for years. Penn State grants credit for reading books, and yet many more academic problems must be faced during a well-played game of golf or squash or ping-pong than while reading a Harlequin Romance. Of course, it's possible to overdo it; the ancient Spartans, for example, granted so many credits for phys. ed. that they exhausted the entire society. Students at Oral Roberts U. may soon follow. By requiring only a few credits of phys. ed., Penn State is hardly in danger of visiting a race of Nittany Lions upon an unsuspecting world. Sound minds in sound bodies is a sound concept, and those who learn it deserve credit.

Chester Wollford,
Assistant Professor of
English, Behrend College

Japanese poetry, art subject of two talks

Dr. Thomas J. Rimer will present two public lectures at University Park as a participant in the Distinguished Lecturer Series of the Association of Asian Studies' Northeast Asia Council.

Dr. Rimer is professor of Japanese language and literature and chairman of the Department of Chinese and Japanese at Washington University in St. Louis.

He will give an illustrated talk on "Europe as Art Object: Three Japanese Painters in Paris" on Monday, March 22, at 7:30 p.m. in Room 101 Kern Building.

His topic will be "Basho's Frog: Haiku in London, Paris and New York" at the Comparative Literature Luncheon on Tuesday, March 23, at 1 p.m. in Room 204 HUB.

The author, editor or translator of seven books, Dr. Rimer graduated from Princeton University and earned his M.A. and Ph.D. at Columbia.

His visit to Penn State is supported by the Japan-United States Friendship Commission, the Institute for the Arts and Humanistic Studies and the Department of Art History.

German scholar to address philosophy colloquium

Ernst Wolfgang Orth, dean of the University of Trier, Germany, will speak on "Husserl's Concept of Reduction and Scientific Truth" Monday, March 15, at 4 p.m. in Room 75 Willard Building. The colloquium is sponsored by the Department of Philosophy.

Professor Orth, a specialist in Neo-Kantian philosophy, also is vice president of the German Society for Phenomenology.

His most recent book is entitled *Reference, Meaning, and Object: Philosophy of Language of Husserl and Heidegger*. Professor Orth has written many articles and books on Husserl and on the history of ideas (concept of ideology). He is editor of *Phänomenologische Forschungen*.

Photography events begin

The 1982 History of Photography Events have been scheduled from March 17 through April 20 at University Park. In conjunction with the talks, an exhibit entitled "History of Photography — A World-Wide Inquiry" will be on display in the Rare Books Room of Pattee Library from April 13-24.

Larry Schaaf of Johns Hopkins University will present the first talk, "Paul Martin, Victorian Pioneer, and His Influence on Amateur Photography and Wood Engraving," Wednesday, March 17, at 4 p.m. in Room 230 Arts Building. Mr. Schaaf, the author of a book on Paul Martin, has conducted extensive research on early photography in England and has written numerous articles. He is currently completing his doctoral dissertation at Johns Hopkins.

Summer job openings can be explored March 18

The Student Employment Office of the Office of Student Aid is sponsoring Summer Employment Day Thursday, March 18, from 9 a.m. to 4:30 p.m. in the HUB Ballroom.

Approximately 50 employers representing summer camps and other recreational facilities will be available to interview students interested in summer work opportunities. Information and applications will be available also from more than 100 other employers who cannot attend the session.

Faculty and staff members are encouraged to inform students about this opportunity to explore summer job prospects.

Pittsburgh residency is next week



Michael Tilson Thomas

Orchestra to give two concerts during stay

The tenth annual residency of the Pittsburgh Symphony Orchestra will include concerts on Friday, March 19, and Saturday, March 20, at 8:30 p.m. in Eisenhower Auditorium. Michael Tilson Thomas will be the guest conductor and Oscar Shumsky the violin soloist.

The concerts will feature Brahms' Academic Festival Overture, op. 80, Beethoven's Concerto for Violin and Orchestra in D major, op. 61, and Tchaikovsky's Symphony No. 2 in C minor, op. 17, "Little Russian."

At the age of 36, Michael Tilson Thomas is already a conductor of international reputation. He has an eight-year music directorship of a major American orchestra to his credit; he conducted six years of concerts on a network television series; and his unusually diverse repertory includes more than a score of world premieres.

Oscar Shumsky made his debut at the age of nine with Leopold Stokowski and the Philadelphia Orchestra, performing Mozart's A major Violin Concerto. He received his education at the Curtis Institute of Music under the guidance of Leopold Auer and Efrem Zimbalist and was later appointed to the faculty.

In addition to performing, Mr. Shumsky has been a faculty member at the Juilliard School of Music since 1953. He has conducted leading ensembles in the United States and in Canada, where he was the Music Director of the Stratford Festival. Among his latest recordings are the complete Mozart Violin and Piano Sonatas, as well as the Bach Solo Sonatas and Partitas.

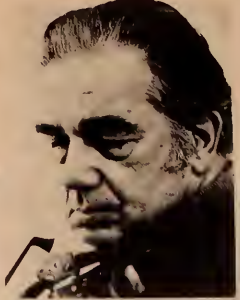
Tickets for the concerts will be on sale at Eisenhower Auditorium box office from Tuesday, March 16, 9 a.m. to 4 p.m. Phone orders on Visa/MC will be accepted at 863-0255.

Leonard Raver master class is open to the public

Leonard Raver, a member of the faculty of the Juilliard School and a former Penn State faculty member, will present a master class for organ from 4 to 5:30 p.m. Friday, March 19, in the Music Building recital hall.

Dr. Raver, who is coming to the area to perform a dedicatory recital at St. Andrew's Episcopal Church, has performed with many major orchestras in this country and abroad and recorded with the New York Philharmonic Orchestra under the direction of Leonard Bernstein.

The master class is open to the public for observation. Participation is being arranged by the School of Music, which is sponsoring the visit along with the Institute for the Arts and Humanistic Studies.



Oscar Shumsky

Faculty and students will interact with players

Open rehearsals, master classes, performances with student soloists and a one-to-one rehearsal with the Penn State Symphony will highlight this year's residency by the Pittsburgh Symphony.

The orchestra will arrive on campus Tuesday, March 16, and will spend the week working with students and faculty, as well as preparing for several concerts that will be presented at week's end as part of the Artists Series.

Student soloists chosen in School of Music competitions will perform with the Symphony's chamber orchestra in sessions scheduled from 3 to 5:30 p.m. Tuesday and from 10 a.m. to noon Wednesday and Thursday in Eisenhower Auditorium.

On Tuesday the opera orchestra will rehearse with the Penn State Symphony in a reading of Tchaikovsky's Symphony No. 5 beginning at 7:30 p.m. For this rehearsal Penn State players will sit side-by-side with their professional counterparts.

The full Pittsburgh Symphony will rehearse beginning at 7:30 p.m. Wednesday. Scheduled for playing is the Concerto for String Quartet and Orchestra by Ezra Laderman, which was commissioned for the Alard Quartet. That group will play with the orchestra during the rehearsal. Also scheduled are several pieces featuring student soloists.

Master classes in brass quintet, percussion and flute will be held Friday at 2 and 3 p.m. and Saturday at 1:30 p.m., respectively.

A special concert of string bass, viola and cello will be presented by Pittsburgh players at 12:30 p.m. Thursday in the Music Building recital hall.

On Thursday evening — at a time not yet determined — guest conductor Michael Tilson Thomas will present a talk.

According to Maureen Carr, director of the School of Music, additional master classes may be scheduled for the residency. She suggests that persons wishing to know specific details about any of the events should contact the School at 865-0431.

Violist to present special March 15 recital

Randolph Kelly, principal violist with the Pittsburgh Symphony Orchestra, will present a special public recital Monday, March 15, at 8:30 p.m. in the Music Building recital hall.

Mr. Kelly, whose training was at the Curtis Institute, will perform works by Boccherini, Bach, Paganini and Brahms.

Mini-festival features Tisne compositions

A mini-festival featuring the music of French composer Antoine Tisne will be held March 23 and 24. M. Tisne, along with violinist Adele Aurioi and pianist Bernard Fauchet of the Aurioi-Fauchet Duo, will be at University Park for the event.

The festival will feature a Common Hour lecture/recital by M. Tisne and the two French musicians Tuesday, March 23, at 1 p.m. in the Music Building recital hall.

University music faculty will perform works by M. Tisne Wednesday, March 24, at 8:30 p.m. in the Music Building recital hall. Highlighting this part of the festival will be the world premiere performance of the composer's "Boreale" by pianist Steven Smith, an associate professor of music. This composition was commissioned for Mr. Smith by the Institute for the Arts and Humanistic Studies.

Other performers on the program will be Smith Toulson, clarinetist and an associate professor of music; Suzanne Roy, soprano and an assistant professor; and Raymond Page, violist and associate professor of music. Mr. Toulson will play "Mantatlan Song"; Ms. Roy will be featured in "Two Songs" based on poems by Rainer Maria Rilke; and Mr. Page will perform the composer's Sonata.

M. Tisne, a graduate of the Paris Conservatory with first prizes in harmony, counterpoint, fugue and composition, is currently the Chief Inspector of Music of the French Ministry of Cultural Affairs. The Aurioi-Fauchet Duo is making its second appearance at the University in two years.

The Tisne Mini-Festival is being sponsored by the Institute for the Arts and Humanistic Studies and the School of Music.

Two guitarists to play Scarlatti, Villa-Lobos

Guitarist Anne Waller, an instructor of music, will present a recital Monday, March 22, at 8:30 p.m. in the Music Building recital hall.

Ms. Waller will perform solo guitar compositions by Scarlatti, Villa-Lobos and Granados. She will be joined in several works by Mark Maxwell, a part-time instructor in guitar at the University.

Both Ms. Waller and Mr. Maxwell received their M. Mus. degrees from Southern Methodist University, where they were students of Robert Guthrie.

Bucknell pianist will offer music by State composers

New music by Pennsylvania composers will be featured in a concert by pianist Barry Hannigan, a member of the music faculty at Bucknell University, tonight (Thursday) at 8:30 p.m. in the Music Building recital hall.

Mr. Hannigan will play William Duckworth's "The Time-Curve Preludes"; the Eighth Piano Sonata, opus 41 by Vincent Persichetti; Twelve Bagatelles by George Rochberg; "Makrosomos," Vol. 2, Part 2 by George Crumb and "Music of Twelve Centers" by Larry Nelson.

A graduate of Colorado College, Mr. Hannigan received his M. Mus. degree from the University of Colorado and his D.M.A. in piano performance and literature from the Eastman School of Music, where he studied with David Burge.

Accounting principles enlivened in record-setting TV class

When G.K. Nelson began his television career in 1957, the top-rated show was "I Love Lucy." Today, Lucy is in her umpteenth rerun, but Dr. Nelson still goes on live every Monday and Friday morning.

"I may not have had the ratings," he says, "but then Lucille Ball didn't give pop quizzes, either."

Dr. Nelson, a professor of accounting, teaches Accounting 101 on closed circuit

television. Since his first TV class, more than 35,000 students have mastered the intricacies of debits and credits through his instruction.

That's estimated to be more than half of all Penn State students who have taken a basic accounting course since the University opened its doors in 1859.

Both Dr. Nelson's 25 years of TV teaching and the longevity of Accounting 101 on television are believed to be

records in the field of instructional television.

He was surprised on the air Feb. 22 by a committee of well-wishers on the anniversary of his 25 years on television. Those present included Dr. Eugene J. Kelley, dean of the College of Business Administration; Dr. Robert D. Pashek, associate dean; Dr. William J. Schrader, head of the Department of Accounting and Management Information Systems; Leslie P. Greenhill, director emeritus of the University Division of Instructional Services; and several of Dr. Nelson's graduate students.

The surprise party in Studio A of Mitchell Instructional Services Building was followed by a reception in an adjacent studio.

Dr. Nelson says that TV instruction is well-received by most students.

"I've polled the students a number of times over the years to see if they preferred that the course be taught in a large lecture hall rather than on television," he says. "Each time, about 85 percent of the students reported they favored TV."

Accounting 101 is an introductory course, drawing students from a wide variety of majors, and this leads to a heavy demand for the course each year. More than 600 undergraduates signed up for Winter Term alone.

Students view Dr. Nelson from television monitors set up in 18 different classrooms in Boucke Building. Dr. Nelson broadcasts from a TV studio several blocks away. Through a microphone hookup in each classroom, he

can easily call on individual students and take questions from them as well.

"I wouldn't teach on television if the students wouldn't talk directly to me," says Dr. Nelson, who was named 1981 Accountant of the Year in Education by Beta Alpha Psi, the national professional accounting society.

TV teaching requires some "show biz" to keep the students interested, he believes.

Thus, while Dr. Nelson is lecturing, the question, "Would you buy a used car from this man?," may appear on the screen. Frequently there will be screen "credits" such as "Dr. Nelson's wardrobe by the Salvation Army."

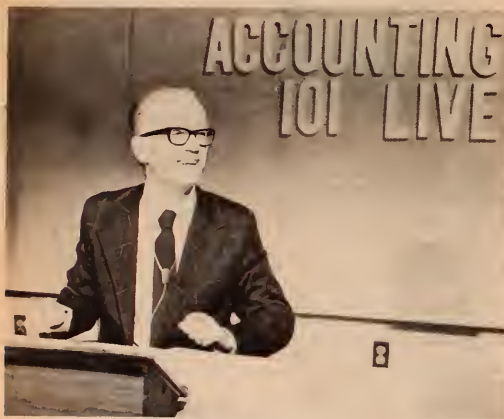
He has been the victim of carefully planned "insurrections" in which the studio camera crew mutinies and ties him up at his desk. He has even been known to take a pie in the face.

"I have to credit some of the gimmicks to the director and camera crew," he notes. "They're broadcasting students and have the creative flair. I'm just an old bean counter."

The names of the hypothetical firms he and his students "audit" are familiar to generations of Penn State students. Standards include Hy O. Silver, the loan arranger, and the septic tank manufacturing firm of Hoo Flung Lung.

"I ask the students to come up with names occasionally," he says, "but most don't pass the censor!"

While the gimmicks are used to catch the attention of viewers, Dr. Nelson points out that the course is a serious study of basic accounting principles.



Professor Nelson gets ready for his 25th year on the air.

ORUs

(Continued from page 1)

rational behavior for institutions. The preeminent universities attract the renowned scholars, the intellectually outstanding graduate and undergraduate students, and the funding that assures supremacy. ORUs are perceived as decline, either because of what they do, whom they hire or how they operate.

With funding from the National Science Foundation, we were able to visit selected ORUs in their native habitats and collect survey data from a broad spectrum of ORUs currently alive and well and living in 78 leading research universities and their medical schools. Before starting our project, we had to formulate our own definition of an ORU so that we would be examining the same kinds of organizations across the academic tier.

Secondary sources were unreliable and individual university telephone directories confusing. We wanted to eliminate ORUs that exist primarily in the minds of their investors and those that live and die at the will of a department. Also, we wished to delete ORUs that facilitate the research of others — museums, computer centers, electron microscopy labs — but are not themselves recipients of research contracts and grants. Lastly, we had to be certain that the nominee was of that university and not just at it.

We enlisted the cooperation and assistance of core university and medical school administrators in refining our ORU lists and also asked them to complete a brief survey form about institutional policy in regard to ORUs and their professional staffs. In addition, ORU directors, department chairpersons and postdoctoral scientists and fellows were sampled. We conducted more than 200 interviews and scored almost 1,800 questionnaires.

In consultation with the project advisory committee, the decision was made to collect, analyze and report data separately for the core universities and the medical schools since they operate in different ways.

Some highlights of our findings are: — Not all research universities have

created ORUs. Institutional size, complexity, degree of specialization and diversity in mission contribute to the growth and proliferation of these organizations.

— ORUs are not a 20th century invention but trace their origins to the agricultural experiment stations begun in the latter half of the 19th century. They set the parameters — utilitarian, problem-focused, housed apart from resident instruction and accountable to a sponsor. The notion of interdisciplinarity and multidisciplinary, as well as the specific linkage between a professor and a team of researchers, is a post-World War II phenomenon.

— Successful ORUs require initial and continuing support from three sources — sponsor(s), university administration and interested faculty. In the medical schools, endorsement or at least acquiescence of the relevant department chairpersons is vital. Any of the concerned parties may begin the establishment process, but ORUs created by administrative fiat without the real consent of faculty and ORUs required by their sponsors to engage in non-rewarding academic activities will not survive long.

The most widely heralded *raison d'être* for ORUs — encouragement of interdisciplinarity and multidisciplinary — has scant basis in fact. Only about one-third of the ORU directors sampled reported faculty interactions with more than one department. The notion of faculty and staff from different disciplines working together on a single project is also not borne out by the data. Only 28 percent of the ORU directors sampled thought that was a good description of their research mode of operation. (It should be added that medical school departments tend to be multidisciplinary in character and make extensive use of joint or split appointments.)

— There are notable differences in leadership styles between ORU directors and department chairpersons despite similar professional backgrounds.

Department chairpersons are *de jure* oriented, and as part of the representative process serve at the pleasure of those who elected them to office. ORU directors are *de facto* oriented, presiding not over a society of

equals but rather a hierarchy where participatory decision-making is rarely the norm. Even the title connotes the greater authority of the director, but then the stakes are greater. Departments do not die because of poor leadership; ORUs do.

— In research universities, the pressure to generate external funding is comparable in departments and ORUs. The greatest single external funding agent for ORUs and departments has been the federal government.

— In percentage terms, ORUs receive twice as much state and industrial funding for research and development as do departments, thus affirming the task orientation of ORUs. Aside from agriculture, engineering and the social sciences are the chief beneficiaries from the ORU mode.

— Clinical medical departments are dependent upon patient and hospital fees to close the gap between yearly appropriated institutional funds and outlays. Few medical schools provide hard-line budget support for most faculty positions. Freestanding ORUs are seen as widening the division between bench scientists and clinicians. The absence of physician-researchers from clinical responsibilities affects their departments financially.

— ORUs may be funded many ways: endowments, line-item appropriations, retention of overhead, institutional support, multiyear grants and contracts, and short term grants and contracts. Each of these funding methods carries assets and liabilities.

— Public universities are more prone to formalize the procedures for the establishment of ORUs. Evaluation of ORUs is spotty. Although many administrators state that ORUs are evaluated, systematic surveillance appears to be neglected. The reality is that the sponsors determine the life cycles of most ORUs.

— The status of professional staff within ORUs remains unresolved. Salary and fringe benefits tend to be similar for faculty and professional staff with equivalent experience. But in addition to the denial of tenure and sabbatical leave, professional staff do not participate in decision-making bodies. Some universities

are instituting procedures for rolling tenure, but implementation and frequency of application remain unknown quantities.

— Conflict between departments and ORUs stems from the following charges: the applied nature of the research effort in ORUs, territorial aggression, warping of department programs by overstaffing in narrow areas of intellectual pursuit, prerequisites for ORU faculty not shared with other department members and impermissibly behavior.

We stated earlier that conflict was inherent in science organizations. Academic is highly individualistic, competitive enterprise and not a team sport. The disappearance of ORUs would not put a damper on internal strife; it would only transfer the conflict to another forum. Certain measures alleviate or mitigate the conflict between departments and ORUs. Sharing the wealth — instrumentation, staff expertise and summer employment — helps. So does good citizenship — teaching large enrollment classes, making clinical rounds in the medical school and participating in department chores. Obviously boundary lines must be observed and training opportunities extended to graduate students and postdoctoral scientists. Finally, it's important that ORU directors consult and communicate with the relevant academic departments. But most importantly, because academic is a prestige game, the ORU director must have valid scholarly credentials.

Renée Friedman is a project associate at the Center for the Study of Higher Education. Robert Friedman is a professor of political science and director of the Center for Science Policy.

Ag lecturer

(Continued from page 1)

faculty from 1947 to 1955.

After joining the Rockefeller Foundation, he served in various capacities in Mexico before becoming director of that country's National Livestock Research Center.

He is the author of a number of publications dealing with poultry and swine production, as well as with world food needs.



Joseph J. Mansfield

Development vice president appointed

Joseph J. Mansfield, director of development for capital campaigns and major gifts at Columbia University, has been named vice president for development at the University.

Mr. Mansfield's appointment, effective May 1, was approved by the Board of Trustees.

"We are extremely pleased that an individual of Mr. Mansfield's impressive qualifications will be responsible for planning, directing and coordinating private fund raising activities at Penn State," President Oswald said.

He noted that *A Perspective on the '80s* contains 15 separate references to the need for increased private support.

In January 1981, the Trustees authorized the establishment of a position for a vice president for development, in recognition

of that need. A search committee chaired by Dean Eugene J. Kelley of the College of Business Administration conducted the search which led to the appointment of Mr. Mansfield.

The new vice president will report to Dr. Richard E. Grubb, senior vice president for administration.

At Columbia since 1977, Mr. Mansfield, 44, is director of all university-wide efforts there for the raising of capital funds. He has been senior planner for Columbia's forthcoming \$400 million capital campaign and recently directed a \$25 million campaign for a new residence hall.

Before going to Columbia, he was executive director of development for New York Infirmary from 1974 to 1977. He was director of development at Pace University from 1970 to 1974.

Mr. Mansfield is a 1959 graduate of Fordham University with a bachelor's degree in psychology. He earned the master of arts degree in guidance and student personnel administration from Teachers College of Columbia University in 1960.

Mr. Mansfield is a member of the national advisory board of the Fordham University Alumni Federation and is a past president of the Fordham College Alumni Association. In 1969, he received the Fordham College Encaenia Award for Outstanding Achievement in Education.

Mr. Mansfield's wife, the former Deborah Bowden of Chestnut Hill in Philadelphia, received her bachelor of science degree in education from Penn State in 1965.

March 25, 1982 Volume 11, Number 21

Penn State Intercom

University asks 12.1 percent appropriation increase

Increased costs for everything from instructional materials to salaries to employee benefits form the basis of President Oswald's request for a 12.1 percent increase in the 1982-83 State appropriation to the University.

"In the face of continued inflation and financial stringency, the continued aid and support of the Commonwealth, combined with the University's effective management of its human and financial resources, will enable it to meet these challenges," Dr. Oswald said during hearings before the Senate and House Appropriations committees in Harrisburg earlier this month.

The University is requesting a State appropriation of \$148,468,000, up 12.1 percent over the 1981-82 appropriation of \$132,428,000. The request includes increases of \$14,122,000 for general University operations exclusive of Medicine, and \$1,918,000 for the College of Medicine.

Penn State's estimated expenditures for the current year, 1981-82, total \$498,418,000, of which the State provided \$132,428,000 (26.6 percent). The general funds budget supports the basic educational programs of teaching, research and public service throughout the State. Ninety percent of it comes from State appropriations and student tuition charges.

Governor Thornburgh recommends a base appropriation to the University of \$140,281,000, an increase of 5.9 percent from the 1981-82 appropriation. The Governor also recommends that the University receive an additional \$3.2 million for operation of the Elizabethtown Hospital for Children and Youth beginning in 1982-83. (The Governor is proposing the transfer of control and management of the facility to Penn State for operation by the Hershey Medical Center.)

"Penn State is most appreciative that

the Governor and the members of the General Assembly have given higher education a high priority in the allocation of the State's resources in these times of fiscal austerity, especially considering the many competing needs for the limited public funds available," Dr. Oswald said.

"The increased appropriations provided for higher education by the Governor and the Legislature over the last several years recognize the many important contributions that our colleges and universities make to the social, cultural, technological and economic growth of the Commonwealth."

The impact of Penn State, he said, can be measured by several observations: In 1980-81, approximately \$64 million of sponsored research funds were generated by faculty members; Penn State has some 209,000 living alumni, with 125,000 alumni living in Pennsylvania; and the University employs 11,701 people on a full-time basis.

In addition, the University's enrollment is at an all-time high for the current academic year, for Fall Term, 57,194 students were enrolled in resident instruction courses and 6,606 enrolled in continuing education credit courses.

To accommodate the heavy flow of copy INTERCOM has received, an issue will be published April 1.

Recalling Penn State's mission of serving the Commonwealth as Pennsylvania's land-grant University, Dr. Oswald said the University's appropriations request is designed to cope with two key problems: declining purchasing power and rising costs.

"While State appropriations have increased almost every year since 1972-73, the value of the appropriation in terms of

(Continued on page 7)

Shenango Valley director named

Dr. Vincent De Sanctis, of Southern Illinois University at Edwardsville, has been named director of the Shenango Valley Campus at Sharon, effective June 15.

During the past eight months, Dr. Charles R. Bursey, associate professor of biology at Shenango Valley, has been serving as acting director.

"We are pleased that Dr. De Sanctis has decided to join the Penn State system," President Oswald said. "His extensive experience and interest in lifelong education made him the outstanding candidate in our national search for a director for the Campus."

Before joining Southern Illinois, Dr. De Sanctis was dean for community education at Williamsport Area Community College, serving as chief administrator for all evening courses, off-campus courses, summer sessions and other programs. In that post, he also administered all CETA, business and



Vincent De Sanctis

industry programs and apprenticeship courses.

He was affiliated with Montclair State College in New Jersey before going to Williamsport and from 1970 to 1972 was director of the Adult Education Resource Center there.

Chief among his professional interests are illiteracy among adults and mid-life career change. In recent years, he has

(Continued on page 4)

Three Alumni Fellows will visit

Three members of the Class of '59 will initiate this spring's Alumni Fellows Program.

Visiting University Park will be Edward R. Hintz, president of Hintz and Holman, Inc., and Elizabeth S. Kelly, senior planning and allocations consultant for the United Way of America. Dr. Robert DeWitt Chapman, associate chief of the NASA Laboratory for Astronomy and Solar Physics, will visit Behrend College.

A guest of the College of Business Administration from March 29 through 31, Mr. Hintz is a private investment adviser. While earning an M.B.A. degree from

Harvard University, he co-authored a book, *Creative Collective Bargaining*, published by Prentice-Hall. He has had extensive business experience as a security analyst and portfolio manager with various companies.

Active in Penn State affairs, Mr. Hintz is a member of the College of Business Administration Alumni Board.

Ms. Kelly, who received her B.S. in family studies, will be a guest of the College of Human Development March 28 through April 1.

She joined the United Way of America

(Continued on page 7)



From left: Dr. Chapman, Mr. Hintz, Ms. Kelly

Penn Staters

Dr. Annette S. Ezell, professor of nursing at the University of Utah, has been named head of the Department of Nursing.

Dr. Ezell also directs the doctoral program in nursing educational administration at Utah and is an adjunct associate professor in the university's college of medicine. She has served as associate dean of academic affairs and associate dean of graduate studies at Utah.

Before coming to Utah, she was on the faculty of the College of Health Sciences, Medical Sciences and College of Nursing at the University of Nevada, Reno.

Dr. Ezell received her bachelor of science degree in nursing from the University of Nevada and her master's degree in zoology and mammalian physiology from the same institution. Her doctor of education degree in public administration and organizational behavior was earned at Brigham Young University.

The author of many professional papers and reports, Dr. Ezell has created a national doctoral program in nursing higher education administration funded for \$1 million by the Department of Human Resources, Division of Nursing.

Dr. Edwin L. Herr, professor of education and head of the Division of Counseling and Educational Psychology, is president-elect of the 41,000-member American Personnel and Guidance Association. He will assume the presidency in July 1983.

The author of 12 books and more than 200 articles on counseling and career guidance, Dr. Herr has served since 1976 as the elected U.S. representative to the eight-member executive council of the International Round Table for the Advancement of Counseling. He has also served as president of the National Vocational Guidance Association and the Association for Counselor Education and Supervision.

Two Human Development faculty members, assistant professor Ann C. Crouter and associate professor James Garbarino, are among the 10 finalists selected for the 1982 Mitchell Prize competition. Their submission dealt with the need for business enterprises to consider the social as well as the physical impact of their operations.

The finalists have until late summer to expand their summaries into 7,500-word papers. Judges will distribute a total of \$100,000 in prize money. Dr. Garbarino was a Mitchell Prize recipient in 1979.

In addition, *Successful Schools and Competent Students*, a recently published book written by Dr. Garbarino, has won an "Outstanding Academic Book of 1981" award from *Choice*, the national library journal. The 176-page book examines the importance of the school in shaping social development at all educational levels. It was published by Lexington Books.

Norman Freed, associate professor of physics and associate dean, College of Science, has recently returned from a lecture tour of India and Japan. While in India, he presented in Madras an invited plenary address at the International Conference on Medium Energy Physics and Nuclear Structure, a public lecture at Presidency College, and a series of joint seminars at MATSCE, the Institute of Mathematical Sciences, and the Department of Nuclear Physics of the University of Madras. He also presented colloquia at the Tata Institute of Fundamental Research in Bombay, the Saha Institute of Nuclear Physics in Calcutta, and the Department of Nuclear Physics of the University of Delhi. In Japan, he presented colloquia at the Institute for Nuclear Study and the Laboratory for Nuclear Science at Tohoku University in Sendai. All talks dealt with various aspects of high energy electromagnetic interactions with atomic nuclei. The trip

was supported by the National Science Foundation, University Grants Commission (India), Japan Society for the Promotion of Science, and the host institutions.

Dr. Freed was also recently elected chairman of the Executive Committee for Nuclear Theory at the Bates Linear Accelerator Laboratory at the Massachusetts Institute of Technology. The Bates Laboratory, a national facility, is one of the largest in the world devoted to high energy nuclear physics research.

Dr. Robert Lima, professor of Spanish and comparative literature, gave two public lectures and a poetry reading in Philadelphia under the auspices of the Pennsylvania Humanities Council's Invitational Humanist Program. He is a fellow of the Council this year. At Temple University, Dr. Lima spoke at the invitation of the Department of Spanish and Portuguese, and read his poetry manuscript, "The Rites of Stone," at the Department of English poetry colloquium. At the University of Pennsylvania, he spoke on "La historia infame del Demonio y como se personifico" at La Casa Hispanica.

Dr. Etu Zen Sun, professor of Chinese history, has been elected to the Council of Conferences of the Association for Asian Studies (AAS) for a three-year term beginning in April. As the candidate receiving the highest number of votes, she was also elected to a concurrent term of office on the AAS board of directors.

Dr. Emilia E. Martinez-Brawley has been appointed to the editorial board of *Social Development Issues*, a journal published by the University of Iowa.

Dr. Gordon C. Godbey, professor of education, has been elected president of the Pennsylvania Association for Adult and Continuing Education. Dr. Godbey becomes the fifth president of the organization, which resulted from a merger of the Pennsylvania Adult Education Association and the Pennsylvania Association for Public Continuing and Adult Education.

Dean Henry J. Hermanowicz of the College of Education has been named to the editorial board of the *Journal of Economic Education* published by the Joint Council on Economic Education.

Bookshelf

Dr. Austin J. Jaffe, associate professor of business administration, is co-author of a book, *Real Estate Investment Decision Making*, published this month by Prentice-Hall. The other author is Dr. C.F. Simons of the University of Georgia.

The 547-page text relies heavily on the "equity valuation model," which the authors call "the foundation of the real estate investment process." The model permits a systematic analysis of real estate investment decisions.

The book is designed for students who have had introductory courses in real estate principles, financial management and economics. A basic understanding of high school algebra is required.

Promotions

Faculty

William C. Urichio to assistant professor of film in the College of Arts and Architecture.

Staff Expert

Clyde E. Adams to operations supervisor in Intercollegiate Research Programs.
Edith C. Bender to manager, Systems Engineering in Management Engineering.
Kathleen M. Nagy to staff development instructor at Hershey.
Gary C. Schultz to assistant director in Management Engineering.
Richard K. Tyson to building superintendent in Student Affairs.

Dr. John O. Almqvist, professor of dairy physiology, received the Wolf Foundation Prize on March 21 in Israel at a ceremony in the Knesset, the nation's parliament.

Dr. Almqvist, who was honored for his work in artificial insemination for livestock improvement, shared the \$100,000 award, often referred to as the "Nobel Prize" of agriculture, with Dr. Henry A. Lardy of the University of Wisconsin and Dr. Glenn W. Salisbury of the University of Illinois.

While in Israel, Dr. Almqvist is delivering several lectures on his research.

"More than \$31 million is being saved annually in the United States through use of Dr. Almqvist's technique of adding antibiotics to bull semen, a practice now adopted worldwide," said Dean Samuel H. Smith of the College of Agriculture. "The total savings around the world is estimated to be \$580 million."

A member of the faculty since 1944, Dr. Almqvist earned a B.S. at Cornell, a master's degree at Purdue and his doctorate at Penn State. Dr. Salisbury, with whom he shared the award, was one of his teachers at Cornell and the person responsible for interesting him in animal science research.

Ross L. Whitcraft to producer-director in Continuing Education.

Staff Non-Exempt

Isabel A. Carson to administrative assistant in Intercollegiate Research Programs.

Debra Chalfant to licensed practical nurse/Meds at Hershey.

Peggy L. Cisney to licensed practical nurse/Meds at Hershey.

Juliann T. Horney to licensed practical nurse/Meds at Hershey.

Debra J. Jones to medical technologist at Hershey.

Margaret M. Weeter to respiratory therapy technician 1 at Hershey.

Clerical

Diane Beresford to clerk, records A at Delaware County.

Kathleen E. Bryant to secretary B in Libraries.

Judith A. Hicks to clerk, typist A in Agriculture.

Phyllis A. McGarvey to technical secretary C in Applied Research Laboratory.

Technical Service

Theodore F. Grove, Jr. to maintenance worker area landscape in Physical Plant.
Elizabeth T. Payne to helper, Health Center in Health Services.

Ronnie Rogers to maintenance worker area landscape in Physical Plant.

James Stem to fuel and car wash attendant in Business Services.

Joseph Lee Veney to maintenance worker utility at Ogontz.

Obituaries

Ora H. Beatty, a member of the staff from 1921 to 1962, died March 6. She was 86. At her retirement, she was a supervisor with Housing and Food Services.

Elmer E. Grenoble died March 10 at the age of 60. He joined the staff in 1949 as a janitor and from 1966 until his retirement in June, 1981, was a painter.

Bertha H. Lucas died March 10 at the age of 87. She joined the staff in 1946 and was a mailing room supervisor for the Alumni Association when she retired in 1960.

Calendar report

The Calendar Conversion Council has approved a recommendation providing for an official graduation date at the end of the Fall Semester, although there will be no commencement exercises.

The proposal, which will be forwarded to President Oswald, recommends that students completing degree requirements at the end of Fall Semester be awarded their degrees at that time and that an official graduation date be established.

Under the recommendation, Fall Semester graduates could pick up their diplomas after the official graduation date or have them mailed. Graduates also could choose to participate in the Spring Semester Commencement exercises.

Council, at its March 16 meeting, also discussed the Facilities/Faculty/Program Match underway at University Park. Warren R. Haffner, University registrar, said early indications are that there will be 10 percent fewer sections under the semester calendar.

Council members discussed possible alternatives if the FFP match indicates problems in the proposed semester class schedule. Council's FFP Match Committee was asked to examine alternatives and make recommendations to the full Council.

Council Chairman James B. Bartoo reported he will appoint a subcommittee to develop a definition for the "extended summer session" which will accommodate students who do practicum or internships during the summer.

At its Feb. 25 meeting, the Calendar Conversion Council reported that a faculty instructional workload report, providing a multi-faceted look at instructional workload, is being circulated within the University community.

Three measures of faculty instructional workload are included in the report, which covers fall, winter, and spring, 1980-81. They are:

- Assignments showing the number of classroom sections taught, individual instruction students supervised, classroom preparations required, and class contact and class preparation hours reported;

- Student Credit Hour showing classroom and individual instruction yield and

- Section Credit Value describing workload as the credit value of sections taught; measure of average class meeting size also is included.

Copies of the report also have been distributed to members of the Calendar Conversion Council Communication Committee, Council of Academic Deans, Council of Commonwealth Campus Directors, Provost's Advisory Committee and the President's Budget Task Force.

In a memo accompanying the report, Graduate School Dean James B. Bartoo, chairman of the Calendar Conversion Council, said questions, comments and suggestions are needed and will be welcomed.

After the Council receives reviews and responses, Dean Bartoo said the instructional workload measures for 1980-81 will be revised, if appropriate.

"Reports of faculty instructional workload measures for 1981-82 and 1982-83 will be produced based on any revision. As a result, the University will have a faculty instructional workload data base against which any future changes in faculty instructional workload can be measured."

In other business, Council reviewed principal recommendations of a Graduate Assistant Stipend Study and forwarded the report to President Oswald.

Computer and learning needs addressed by Faculty Senate

The University Faculty Senate at its March meeting approved the establishment of a Learning Assistance Center (LAC) and passed recommendations urging "continuing, comprehensive planning for academic computer needs" and "access to computer systems in instruction and research" as a privilege for all faculty members.

The Senate also approved the establishment of a new Standing Committee on Computer and Information Systems.

The LAC will be available to all undergraduate students, especially those served under the Developmental Year Program and the Basic Skills Program. According to the recommendation drafted by the Committee on Undergraduate Instruction and passed by the Senate, "other agencies providing 'learning support' for undergraduate students at the University Park Campus should be encouraged to become part of those learning support activities of the Learning Assistance Center as those agencies feel is appropriate."

The LAC, if implemented, will be placed under the Office of the Vice President for Undergraduate Studies, Dr. Robert E. Dunham, "and will operate for a specific period of five years with extensive evaluation during that time."

Learning centers are already operating in various forms at most of the Commonwealth Campuses, according to Murry Nelson, chairman of the Subcommittee on Basic Skills. At University Park, however, as many as 12 uncoordinated agencies offer learning support to undergraduates.

In response to questions, Dr. Dunham noted that Developmental Year credit courses for EOP students and veterans would be continued after the establishment of the LAC.

He added that the LAC might offer a variety of non-credit workshops on such topics as how to study or how to take notes.

He also assured senators that as long as funding was available for the Basic Skills Program, it was his intent to see that it was distributed to all campuses of the University.

The Senate accepted without debate the first recommendation from its Special Committee on Computer and Information Systems. It said: "Continuing, comprehensive planning for academic computer needs should be initiated as soon as possible and should include rational financial planning for instruction and research. Close faculty involvement and faculty leadership must be a major part of this effort in order to accurately perceive the opportunities in both areas."

The second recommendation, which specified various academic computing needs not currently being adequately met, ran into opposition. Senators voiced concern that they were being asked to approve the establishment of such concrete services as seminars, newsletters and a Computer Services Bureau.

Senate Chairman Nancy Tischler finally ruled that this recommendation should be sent to the Academic and Fiscal Planning Committee for costing.

Senators then passed two other recommendations from the special committee, which was chaired by Thomas E. Daubert. They read:

(1) "Access to computer systems in instruction and research should be the privilege of all faculty of the University without exception and should be an attainable goal. An allocation procedure should be devised such that a reasonable amount of computer access is guaranteed. However, during periods of limitation principles of equity and common sense

Percent Deficient of the Number of Beginning Baccalaureate Freshman Admits by College, 1981

Commonwealth Campuses			University Park		CWC, BD		UP
Behrend College							
	MATH	ENGLISH	MATH	ENGLISH	READING	READING	
AG	33%	18%	16%	7%	19%	3%	
A&A	58%	9%	23%	4%	11%	4%	
BA	28%	15%	12%	5%	18%	6%	
EMSC	8%	6%	3%	6%	14%	4%	
ED	59%	13%	34%	8%	29%	11%	
ENGR	9%	12%	3%	4%	11%	4%	
HPER	41%	16%	41%	16%	17%	16%	
HD	49%	13%	25%	8%	17%	11%	
LA	51%	10%	25%	3%	10%	3%	
SC	16%	7%	6%	2%	10%	3%	
DUS	44%	22%	32%	12%	17%	11%	
BD	23%	14%			14%		

must prevail."

(2) "It is recommended that the University Faculty Senate establish a Standing Committee on Computer and Information Systems to provide advice and consultation to the administration and to consider Senate actions to ensure an active faculty role in academic computing."

The area of academic computing was also dealt with in an informational report from the Senate Committee on Undergraduate Instruction, which had considered a recommendation from Chairman Tischler that a computer literacy requirement be established under BDR III.

The Committee first rejected the term "computer literacy" as "an ill-defined buzzword," pointing out that it was unclear whether it applied to computer skills, computer theory or the role of the computer in a technological society.

The Committee noted that the baccalaureate degree requirements should introduce students to basic skills, and computer skills are essentially derivative.

The members also emphatically rejected the idea that if the Senate were to approve the general idea of computer "literacy" within the BDR that "this requirement could be filled by some sort of watered-down descriptive course as 'The Computer in Modern Society'."

In conclusion, the Committee noted that what is needed is not expanded requirements but expanded computer facilities and that "the inclusion of computer skills in the baccalaureate degree is the responsibility of each departmental faculty."

The Senate also:

— Received an informational report on the 1980-81 Educational Opportunity Program. Since EOP came into existence in 1969, 4,500 students have been admitted, and almost a third of them have graduated. In 1981, 366 students were admitted — 144 at University Park and 222 at Campuses. In 1980, there were 134 at University Park and 185 at the Campuses.

— Reviewed a fact sheet from the External Affairs Committee describing the impact of cuts in Federal student aid funds. Chairman Arthur O. Lewis, Jr., suggested that senators write their congressmen to inform them of their concern.

— Heard a report from M. Frank Mallette, chairman of the Committee on Faculty Affairs, which concurred with a recommendation from Vice President Richard G. Cunningham to Provost Eddy that research faculty who teach or supervise thesis be awarded temporary professorial titles. Dr. Cunningham, vice president for research and graduate studies, also recommended that a new research rank equivalent to professor be established and that the title to designate the new rank should be Senior Scientist, followed by a description of the individual's area, such as Senior Scientist — Acoustics Research. The Committee also approved this proposal.

— Received a Basic Skills Report (see chart) which included the category of "Reading" for the first time.

— Passed two changes in its *Bylaws* permitting replacement of senators who are away on leave for more than four months (specifying June, July and August) and excluding that if a senator does not complete his or her term, the voting unit will either elect, or select from a list of alternates, a replacement to fill the unexpired term.

The Senate concluded its session with a brief forensic discussion on compulsory physical education.

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Computation Center offering Spring seminars

The Computer Center is offering a series of seminars on seven different topics during the Spring Term. There is no charge, and the seminars are open to the University community. To register, call Carolyn Kresen at 863-0422.

VM/CMS (3 sessions)

Introductory sessions on VM/CMS (Virtual Machine/Conversational Monitor System) will be given on the evenings of March 25, 30 and April 1 in Room 108 Forum. All sessions will start at 7:30 p.m.

VM/CMS is an interactive, time-sharing system that provides extensive computing facilities in such a way that each user appears to own and operate his or her own personal computer. Each computer user has over a million bytes of main and secondary storage, and can use a wide variety of programming languages, including APL, BASIC, FORTRAN, and PL/I.

In order to gain the most from these seminars, participants will be expected to have at least a working knowledge of some programming language. They should also have use of a P, U, or C account with a VM/CMS user identification (available in Room 229 Computer Building).

Interactive Graphics (7 sessions)

These seminars are intended to acquaint programmers with the Evans and Sutherland Multi-Picture System. Familiarity with FORTRAN is a prerequisite, and the group will be limited to 15 people and will be held in Room 110 Computer Building. Participants should have the use of a P, U, or C account (available in 229 Computer Building). All sessions begin at 7:30 p.m. and will be held March 25, 30, April 1, 6, 8, 13 and 15.

Topics to be covered include:

programming on the PDP-11/45 and use of DEC utilities (editor, monitor console routine, peripheral-interchange program, etc.); general graphics techniques, theories and algorithms; graphics on the Multi-Picture System; modes of picture generation, display and update; and application programming techniques for interactive computer graphics.

BASIC (4 sessions)

These sessions will describe the BASIC programming language using the system that was developed by the University of Waterloo and which runs under the VM/CMS system.

No knowledge of VM/CMS is required but participants should have prior programming experience and the use of a P, U, or C account with a VM/CMS user identification (available in 229 Computer Building). The seminars will be held in Room 112 Walker April 6, 8, 13 and 15. All sessions will start at 7:30 p.m.

1980 CENSPAC (Census Data Retrieval Program) (3 sessions)

The use of the CENSPAC data analysis program, developed by the U.S. Bureau of Census for the purpose of manipulating census data, will be described.

Participants will be expected to have an understanding of census data structure. These seminars will be restricted to computer techniques such as tape and disk manipulation. They will be held in Room 110 Computer Building April 20, 22 and 27. All sessions will start at 7:30 p.m.

Features of the New FORTRAN Standard (2 sessions)

Differences between the old FORTRAN language and the new standard language

will be described. Participants should have previous programming experience. These sessions will be held at 7:30 p.m. in Room 112 Walker on April 27 and 29.

VM/CMS EXEC2 Procedures and XEDIT Macros (2 sessions)

The VM/CMS system allows EXEC procedures and MACROS to be written in the high level EXEC2 language. System and editor commands and procedures may be defined and executed stand-alone, or as an intelligent interactive interface to higher level computer languages. Participants will be expected to have programming experience and at least a knowledge of the VM/CMS system equal to having attended the earlier seminars on VM/CMS.

The seminars will begin at 7:30 p.m. in Room 112 Walker Building on the evenings of April 20 and 22.

APL (6 sessions)

A series of six seminars on APL Programming Language (APL) will be given on the evenings of April 27, 29, May 4, 6, 11 and 13 in Room 108 Forum. All sessions will start at 7:30 p.m.

APL is a highly interactive programming language; the seminars will not assume or require any previous computer experience.

APL is considerably different from other programming languages (BASIC, FORTRAN, PL/I, etc.), and much discussion has centered around the language and its use. Many claims have been made that it greatly increases programming productivity.

Participants should have the use of a P, U, or C account together with a VM/CMS user identification (available in Room 229 Computer Building).

News in Brief

Dr. Wise honored for educational contributions

Dr. Helen D. Wise, University Trustee, was one of two people honored at the 34th annual citation luncheon of the All Pennsylvania College Alumni Association of Washington, D.C.

Also cited this year was the Rev. Henry J. McNulty, chancellor of Duquesne University.

The luncheons, which honor graduates and presidents of Pennsylvania's post-secondary institutions, are given each year for people who have made outstanding contributions to education and the preservation of American ideals.

Dr. Wise, of Dover, Del., is executive director of the Delaware State Education Association. She is a former president of the National Education Association and for many years taught in the State College schools. She also was a state representative in Pennsylvania.

As a Penn State Trustee, she helped to establish the Renaissance Fund and served on its board of directors.

Dr. Wise — who holds Penn State bachelor's, master's and doctoral degrees — was president of the Pennsylvania State Education Association in 1969.

Vergil conference features seven speakers

To commemorate the 2,000th anniversary of the death of the great Latin poet, Vergil, the University is holding a conference on Friday and Saturday, March 26 and 27.

Vergil lived from 70 to 19 B.C. The anniversary calculation is based on the fact that there was no year zero. Speakers include Allen Mandelbaum of the CUNY Graduate Center, winner of the National Book Award for his translation of *The Aeneid*, and Elizabeth Block of the Department of Classics at the University of Pennsylvania.

Dr. Mandelbaum will speak on "Vergil at the Gates of Speech and Silence" Friday at 4 p.m. in Room 112 Kern. Dr. Block's topic is "Vergil and his Readers," and she will talk on Saturday at 4 p.m. in Room 101 Kern.

Five University faculty members will also present papers on Saturday, all in Room 101 Kern. John Adams, assistant professor of classics, will discuss "Vergil and Cornelius Gallus" at 10 a.m. Dr. Gerard J. Braut, professor of French, will speak on "Vergil and Twelfth-Century French Literature" at 10:45 a.m. "Dante's Vergil: Symbolic Levels" will be the subject of Alfred A. Triolo, associate professor of Spanish and Italian, at 11:30 a.m.

After lunch, at 2 p.m., Robert W. Carrubba, professor of classics and associate dean of the Graduate School, will discuss "Horace's Propemtion to Vergil (*Odes* 1, 3)." He will be followed by Ralph W. Condee, professor emeritus of English literature and humanities, who will talk at 2:45 p.m. on "Homer/Vergil—Vergil/Milton? Perhaps."

Thomas F. Magner, Liberal Arts associate dean for research and graduate study, will open the conference.

Curator to speak

Mary Panzer, guest curator of a photographic exhibit, "Philadelphia Natural Photography, 1865-1906, at the Yale University Art Gallery, will present the second lecture in the History of Photography Events Friday, March 26, at 3:30 p.m. in Room 101 Kern.

Her topic is "Turn-of-the-Century Naturalistic Photography: Philadelphia School."



Sir Nevill Mott

Nobel Laureate will deliver Mueller Lecture

Sir Nevill Mott, 1977 Nobel Laureate in Physics, will present the fourth annual E.W. Mueller Memorial Lecture Friday, March 26, at 8 p.m. in Room 117 Osmond Laboratory.

The lecture, entitled "Conduction in Non-crystalline Materials: Solved and Unsolved Problems," is sponsored by the Department of Physics.

Sir Nevill was Cavendish Professor of Physics and director of the Cavendish Laboratory at Britain's Cambridge University at the time of his retirement in 1971. It was at Cambridge that he did the research for which he shared the Nobel Prize. This research, on electronic properties of non-crystalline materials, underlies advances in computer memories and other electronic devices.

An associate of many of the early giants of modern physics, Sir Nevill studied in Lord Rutherford's laboratory as an undergraduate and later under Niels Bohr in Copenhagen and Max Born in Göttingen. He was on the physics faculty at Manchester University with W.L. Bragg, on the mathematics faculty at Cambridge and in 1933 was elected to the chair of theoretical physics at the University of Bristol. He joined the Cavendish Laboratory in 1954.

The Mueller Lectures honor the memory of Dr. Erwin W. Mueller, who was an Evan Pugh professor of physics. Dr. Mueller was the inventor of the field ion microscope, which enabled him to be the first person to "see" an atom.

PSU freshmen's grades top national average

This year's freshman class at University Park had high school grades well above the average for U.S. college freshmen, an American Council on Education (ACE) study shows.

Some 64 percent of the University Park freshmen had high school grade point averages of A- or better. Only 27 percent of the national sample did.

Last year, 63 percent of the University Park freshmen had averages that high.

The study is done annually and is conducted by the Cooperative Institutional Research Program of the ACE. This year about 192,248 college freshmen from 368 institutions, including nearly 1,600 students at University Park, were asked to participate.

Only first-time, full-time college freshmen at public institutions were included. Nationally, the response rate was about 75 percent. At University Park, it was about 45 percent.

Among other findings, according to Penn State's Office of Planning and Budget, were that:

- Over the past two years, freshmen borrowing through Federal Guaranteed Student Loans has increased dramatically at University Park. In 1979, 24 percent of the freshmen there borrowed \$500 or more. In 1981, 49 percent did so.

- Also, 36 percent of the 1981 University Park students borrowed \$2,000 or more.

Seventeen percent of the national sample borrowed that much.

- Seventy-four percent of the 1981 University Park freshmen said they chose Penn State for its academic reputation. Nationally, only about 57 percent of college freshmen said they chose their schools for that reason.

- Twenty-eight percent of the University Park freshmen planned to major in engineering. Fourteen percent planned to major in business.

German film series bringing key works

A New German Cinema Series, featuring key films from Germany's most influential directors, is being sponsored during Spring Term by the Student Film Organization and the Film Faculty from the Department of Theatre and Film. Most of the films in the series will be receiving their first Central Pennsylvania screening.

"The West German cinema is the most acclaimed in the world today," says Dr. William C. Uricchio, assistant professor of film. "In setting up the series, we have tried to select representative works by a variety of directors, and we will distribute program notes on each film."

Two films by Werner Herzog will be shown. Tonight (Thursday) and tomorrow, *Heart of Glass* will be screened at 7 and 9 p.m. *Sirozki* is scheduled on May 6.

Rainer Werner Fassbinder is represented by *Satan's Brew* on April 15 and 16 and by *The Third Generation* on May 13 and 14.

Reinhard Hauff's *Knife in the Hand* will play April 1; Uwe Brandner's *I Love You, I Kill You* on April 8 and 9; Volker Schlöndorff's *Young Törless* on April 22; and Peter Handke's *The Left Handed Woman* on April 29 and 30.

The films are subtitled in English. *Knife in Hand*, *Young Törless* and *Sirozki* will be shown in Room 112 Chambers. The others can be seen in the HUB Assembly Room. Consulting the INTERCOM calendar for screening times.

Rev. Coffin visiting

The Rev. William Sloane Coffin Jr., well-known peace activist and senior minister of the Riverside Church in New York City, will present two programs at the University today (Thursday).

He will conduct a worship and prayer service on the nuclear proliferation and peace issues at 4 p.m. in the Music Building rectal hall. At 8 p.m. in Schwab Auditorium, he will discuss how the peace issue relates to the Judeo-Christian faith.

Dr. Coffin, 58, is a graduate of Yale University and the Yale Divinity School. His visit is sponsored by the Office of Religious Affairs.

IDP series focusing on communication

The Instructional Development Program 1981-82 integrated workshop series, "Communication: The Faculty-Student Connection," continues with three Spring Term seminars. The term's theme focuses on the impact of environmental factors on the communication process.

The first of the informal sessions, which will provide general background materials, will be offered at three different times in Room 305 HUB March 30 from 9:30 to 11 a.m., March 31, 1-2:30 p.m. and April 1, 3-4:30 p.m.

The second seminar, "Utilizing Large Classroom Environments," will be held April 13 from 3 to 4:30 p.m. and April 14 from 9:30 to 11 a.m. The final sessions, describing the interface between environment and motivation, are scheduled for April 28 from 9:30 to 11 a.m. and April 29 from 3 to 4:30 p.m.

The sessions are designed to include a good deal of faculty participation. In addition, the IDP prepared supplementary

materials which are distributed to seminar participants or are available on request from the IDP. For additional information and/or reservations, call the IDP at 863-2599.

Williams to appear as Dickens March 31

The Artists Series will present "Emlyn Williams as Dickens" Wednesday, March 31, at 8:30 p.m. in Schwab Auditorium.

Emlyn Williams, the Welsh actor who bears an uncanny resemblance to novelist Charles Dickens, will present an array of Dickens' characters in a one-man show that is marking its 30th anniversary this year.

Currently on an American tour that included a sell-out season on Broadway, Mr. Williams first performed as Charles Dickens in 1951. Since then, he has taken Dickens — and his other one-man show, "Dylan Thomas Growing Up" — on tour throughout the world.

Tickets are on sale at Eisenhower Auditorium box office weekdays from 9 a.m. to 4 p.m., beginning today (March 25). The HUB booth will be open on March 25 only. Telephone orders will be accepted on MasterCard or Visa at 865-0255.

Piano recital Monday

A piano recital will be presented by Keith Ward, instructor in music, Monday, March 29, at 8:30 p.m. in the Music Building rectal hall.

Mr. Ward will play the Mozart Fantasy, K. 475; Six Short Piano Pieces (opus 19) by Arnold Schoenberg; Sonata No. 4, opus 30 by Scriabin; and Brahms' Variations and Fugue on a Theme by Handel, opus 24.

Names sought for Hetzel, Walker awards

Nominations of outstanding seniors at the University are being sought for the Erik A. Walker Award and the Ralph Dorn Hetzel Memorial Award.

The Walker Award recognizes a senior whose activities and achievements have enhanced Penn State's reputation. It is presented at Spring Term commencement, although the winner may have graduated the preceding Summer, Fall or Winter term.

The Hetzel Award recognizes outstanding seniors who have demonstrated responsible leadership in their college careers and potential for future public service.

Nomination forms, which are due in the Office of the Vice President for Student Affairs by April 2, are available in the deans' offices of the Colleges.

Shenango Valley

(Continued from page 1)
written extensively on those topics, and has held a number of federal and state grants to conduct research in those areas.

Dr. De Sanctis currently is assistant professor of education and chair of the Organization and Leadership faculty in the Ed.D. Program at Southern Illinois. He joined that university in 1978.

He completed his doctorate in educational administration and supervision at Rutgers University in 1970. He holds a bachelor's degree in social studies from William Peterson College and a master's degree, also in social studies, from Montclair State.

Chairman of the national Commission on Adult Basic Education in 1974, he is a member of the editorial boards of two journals, *Adult Literacy and Basic Education* and *Setting the Pace*.

Health Education faculty cited for research output

The Health Education faculty in the College of Health, Physical Education and Recreation at the University has received high marks for research productivity, according to a national study.

Funded by the University of Toledo, the study was conducted by James Price of that university and Mohammed Forouzesh of the University of Illinois. The researchers assessed those faculty members and institutions which have had the deepest impact in the field of Health Education from 1970-79. The measures were the quantity of publication in selected journals and presentations at national conventions.

In the category "Colleges and Universities Whose Professors Have Published Most Often in Health Education Journals," Penn State ranked fifth with 40 publications. Ahead of it were the University of Maryland, 58; Ohio State University, 54; University of Illinois, 51; and Johns Hopkins University, 44.

In the category "Authors Who Have Published Most Often in Health Education Journals 1970-79," Dr. Richard St. Pierre, head of the Department of Health Education at Penn State, ranked 12th with nine publications. The leaders in the group had 13 publications.

It should be noted that, in both categories, the figures do not reflect the totality of publications. They reflect only the articles published in what the researchers determined to be the three major health education journals currently available.

Search committee seeks nominations for CES deanship

The Advisory Search Committee for the Associate Dean of Academic Affairs for the Commonwealth Educational System has been appointed by Dr. Robert Scannell, vice president and dean, to assist him in identifying candidates.

The members from the Commonwealth Campuses are Sara Lou Whildin, associate librarian, Delaware County, chairperson; Harold Auzand, associate professor of history, Hazleton; Annette Caruso, assistant professor of health education, Ogontz; John Furlow, associate director for academic affairs, Dubois; Vernon Shockley, director, Mont Alto; Mark Smith, chairman, Council of Branch Campus Student Governments; and August Simonsen, assistant professor of environmental science, McKeesport.

Other committee members are: Robert Carrubba, associate dean of the Graduate School; George Biewler, associate professor of electrical engineering, University Park; Frank Montgomery, assistant director, Division of Administration and Field Services; G. Kenneth Nelson, faculty director, Associate Degree Program, Business Administration; and Helen Snyder, associate professor of educational psychology, University Park.

The announcement of the search has been advertised nationally. Members of Penn State's faculty and staff interested in submitting nominations or applying for the position should do so by April 8. Applications and letters of nomination should be directed to Dr. Robert J. Scannell, Vice President and Dean, Commonwealth Educational System, 111 Old Main Building, University Park, PA 16802.



Computer science senior Virginia Chrupalyk shows a visitor the "Joe Paterno computer."

Pitt alumnus gives computer to Penn State in tribute to Paterno's coaching philosophy

At Penn State's Computation Center, the big gray box is known informally as "the Joe Paterno computer."

The IBM System/370 Model 158 is now carrying approximately 10 percent of the University's instructional load — because a Pitt alumnus conceived a profound respect for Paterno's coaching philosophy.

The alumnus, George J. Prussin, is president of the Sha-Lit Leasing Associates and an agent for both Pitt's and Penn State's football teams.

One morning last fall, Penn State's Department of Purchasing received a letter from Mr. Prussin announcing his intent to donate a computer to Penn State "for use by its college students." Mr. Prussin wrote:

"... even though Penn State is Pitt's biggest rival, I have a close feeling toward them because their coach, Joe Paterno, is

truly dedicated to the students in that he wants more than a winning football team — he makes sure every player on his squad knows that he is not at Penn State just to play football. He instills personal pride and the knowledge that football is not the only way of life into all of his players. . . ."

"Previously, our largest computer had been serving the needs of something like 12,000 students every term," says Dr. Donald T. Laird, director of the Computation Center. "This load continues to grow as more and more students are given course assignments requiring computer time."

"Now we will be able to free about 10 percent of the capacity of our main computer. We are hopeful that 'the Joe Paterno computer' will support as many as 150 students simultaneously."

GRAPHIC ARTS COORDINATOR, UNIVERSITY ARTS SERVICES, UNIVERSITY PARK — Responsible to the Director, Artists Service for all graphics used in promotion of Artists Series exhibitions. Conceive, design, and execute displays, brochures, posters, banners, and the like. Reviews graphics for advertisements. Supervises and instructs students and other part-time graphic employees as required. Bachelor's degree, or equivalent in art plus one to two years of effective experience in applied graphic and printing arts.

DIRECTOR OF PAUL ROBESON CULTURAL CENTER, OFFICE OF STUDENT AFFAIRS, UNIVERSITY PARK — Responsible for initiating and developing programs and activities which will aid in the adjustment of minority students to University life and also promote mutual understanding and cooperation by providing a forum where students, staff and faculty of all ethnic groups can meet and interrelate. The Director also provides general supervision and direction of the center and coordinates activities with other campus academic and student organizations. Master's degree or equivalent in higher education student personnel administration or related area, plus one to two years of effective experience in student personnel administration, or bachelor's degree plus two to three years of effective experience. Individual with knowledge of student personnel services and general business administration procedures is preferred. Demonstrated ability to supervise, train and direct professional and clerical employees is required.

DIRECTOR OF OPERATIONS, DAIRY HERD IMPROVEMENT PROGRAM, COLLEGE OF AGRICULTURE, UNIVERSITY PARK — Responsible to the Associate Dean of Administrative Services and to the Pennsylvania Dairy Herd Improvement

Association's (DHIA) Board of Directors for providing overall effective and efficient leadership and direction of the total DHIA Program in the major areas of Office Services, Field Services, Laboratory Services, Record Processing and Special Services. Insure that the mission of the Dairy Herd Improvement Program through The Pennsylvania State University is carried out. Delegate responsibilities to subordinates to achieve efficient operations. Interface with Management Services on all data processing needs of the DHIA. Assist county, district and state organizations in their efforts to increase the effective use of DHIA records and aid the flow of information to the National Cooperative Dairy Herd Improvement Program. Responsible to ensure that the Genetic Milk Testing Laboratory is meeting the needs of the DHIA. A bachelor's degree or equivalent in agriculture, preferably in dairy science, plus more than seven (7) and up to and including ten (10) years of effective management and supervisory experience in a large multi-faceted auxiliary enterprise or business, are required.

Affirmative Action notice for the handicapped

The Pennsylvania State University is a government contractor subject to Section 503 of the Rehabilitation Act of 1973, which requires government contractors to take affirmative action to employ and advance in employment qualified handicapped individuals.

If you have a physical or mental impairment, a record of having had such an impairment, or are regarded as having an impairment that substantially limits your ability to secure, retain or advance in employment, we would like to include you under the Affirmative Action Compliance Program.

It will assist us in proper placement and appropriate accommodations if you tell us about (a) any special methods, skills, or procedures which qualify you for jobs that you might not otherwise be able to do because of your impairment, so that you may be considered for any position of that kind, and (b) possible accommodation which could be made which would enable you to perform the job properly and safely.

We will also aid in "identifying" individuals requiring assistance in the interest of life safety for the development and execution of emergency evacuation in all buildings of the Pennsylvania State University, Main Campus and Commonwealth Campuses. Compliance shall be on an individual, voluntary basis.

Submission of this information is voluntary and refusal to provide it will not subject you to discharge or disciplinary treatment. Information obtained concerning individuals shall be kept confidential, except that (1) supervisors and managers may be informed regarding restrictions on the work duties of handicapped individuals, and regarding necessary accommodations, (2) first aid and safety personnel may be informed, when and to the extent appropriate, if the condition might require emergency treatment, and (3) government officials investigating compliance with the Act shall be informed.

The Affirmative Action Office is responsible for the coordination of compliance with the requirements of Section 503. If you are a handicapped individual and would like to be considered under the affirmative action program, please contact the Affirmative Action Office (814/863-0471 or 433-0471).

Tying contest open to Penn State staff

Penn State secretaries might like to test their skills in the "World's Fastest Typist Contest," which is being held before and during Professional Secretaries Week, April 18-24.

Secretaries can enter right at their own typewriters, and the top scorer from each community wins a three-day trip to the type-off finals in Baltimore. More than \$6,000 in cash and prizes will be awarded.

Information can be had by writing Staff Builders, Dept. PA-212, 122 East 42nd St., New York, N.Y. 10168.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., April 1, 1982. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with *Fair Employment Practices (FES-1)* and in compliance with the University's *Affirmative Action Compliance Program*, without regard to race, color, religion, national origin, handicap (as provided by law, sex, or status as a disabled or Vietnam era veteran).

DIRECTOR OF PUBLIC RELATIONS, COLLEGE OF MEDICINE, HERSHEY — Responsible to the Provost and Dean, through the Associate Provost and Dean, for the conduct of the Medical Center public relations functions, to include the administration of budget(s) and staff required to gather, process and disseminate Medical Center information and news. Bachelor's degree in journalism or English or a related field or equivalency plus four to five years of effective experience.

ASSISTANT DIRECTOR, PSYCHOLOGY CLINIC, COLLEGE OF THE LIBERAL ARTS, UNIVERSITY PARK — Coordinate counseling services of the Psychology Clinic with Centre County Office of Mental Health-Mental Retardation, supervise clinical work of advanced graduate students, provide liaison with agencies providing clerkships for Psychology graduate students, provide professional assistance to Community Living Arrangement staff, teach graduate course in clinical assessment, implement record-keeping and evaluative procedures employed by the Clinic. Doctorate in clinical psychology from a program approved by the American Psychological Association plus a completed APA approved internship year. Fixed Term appointment for one year beginning July 1, 1982. Possibility exists for position to be renewed after review of first year's experience.

ACCOUNTANT, PROFESSIONAL REIMBURSEMENT, COLLEGE OF MEDICINE, HERSHEY — Responsible to the Manager of Professional Reimbursement for the management of all professional reimbursement functions, monitoring and interpretation of all pertinent regulations and legislation and maintenance of controls on third-party accounts receivables. A bachelor's degree in accounting, business administration or equivalency, plus two to four years of hospital accounting experience with emphasis on cost and budgetary reports and control.

From the Trustee Docket

July 1-Dec. 31 gifts up 27.8 percent over '81

During the second half of 1981, private giving to the University increased by 27.8 percent over the same period of 1980.

Dr. Richard E. Grubb, senior vice president for administration, informed the Trustees that private contributions for the period July 1 to Dec. 31 totaled \$6,815,765 — up from \$5,329,687 during the same period in 1980.

Corporate giving comprised the largest slice of the total — some \$3.3 million, he said. That was a 96.7 percent increase over the \$1.69 million given by corporations during the last half of 1980.

"In view of proposed and actual cutbacks in public funding agencies, we're especially pleased by this doubling in corporate giving," Dr. Grubb said.

He also noted that the number of gifts from alumni and friends increased from 17,651 in the last half of 1980 to 18,386 in the same period of 1981. Total giving by alumni and friends amounted to \$1,491,151 during the last half of 1981.

"We're reaching more and more alumni and friends with our message that their gifts — no matter what the amount — are important and do make a difference," Dr. Grubb said.

In addition, foundations and organizations gave more than \$1.7 million during the last half of 1981. Deferred giving, primarily bequests, added an additional \$200,251.

Most gifts — more than 95 percent — are used for special purposes specified by the donor. Student aid and enrichment of educational programs are two major areas that receive support. Undesignated contributions are allocated to a limited number of special projects.

Escalating costs force room and board fee rise

An increase in student room and board charges, effective with the 1982 Fall Term, was approved by the Board.

"We have done our best to keep charges to a minimum, but escalating costs have forced us to increase them 11.6 percent," Dr. Oswald told the Trustees.

"As you know, the residence and dining halls do not receive State funds. They are a self-sufficient operation, and must break even. Although we are constantly looking for ways to cut costs, it is inevitable that students will have to pay some of the difference as the costs of goods and services rise."

Dr. Oswald noted that increases of at least 11 percent are expected for 1982-83 in many residence and dining hall expenses. For example, he said, University Housing and Food Services expects to pay 20 percent more for fuel oil, 25 percent more for gas and 19 percent more for electricity at the University Park Campus in 1982-83.

Comparable increases in those and other categories are expected at other Penn State campuses.

Under the new rates, an undergraduate double room will cost \$758 per term, an increase of \$79 over the present rates. The rate for an academic year of three terms will be \$2,274. The cost of a single room with board will increase from \$729 to \$815 per term.

Included in the \$79 increase are \$32 for the room, \$43 for meals and \$4 for the counseling fee included in overall residence hall costs.

Room and board for graduate students will increase from \$680 to \$763 per term for double rooms and from \$730 to \$820 for singles. Graduate students who do not use campus dining halls will pay \$367 for double rooms and \$422 for singles.

Rooms for graduate students electing to use food coupons will be \$442 for a double and \$492 for a single.

Rates for Atherton Hall apartments for graduate students at University Park have

increased to \$502 for a single with shared bath, \$532 for a single with bath and \$696 for a double-size with bath.

Meade Heights housing will increase to \$390 for a four-person house and \$430 for a three-person house.

Family housing apartments, charged on a monthly basis, have the following new rates: Eastview Terrace, one bedroom — \$175, two bedroom — \$198; Graduate Circle, one bedroom — \$184, two bedroom — \$208; Capitol Campus, one bedroom — \$215, two bedroom — \$228.

Apartments at University Manor at the Milton S. Hershey Medical Center will increase by an average of 8.5 percent.

Other apartments in the Penn State system have increased at varying rates.

Alumni support fund raising, recruitment

The Penn State University Alumni Association's newest experiment — a corps of students called Lion Ambassadors — is "the most exciting new project we have undertaken in many years," Association President Richard A. Zimmerman of Hershey, said in his annual report to the Board.

"Lion Ambassadors is designed to personalize college life for the students and also to inculcate the understanding that their involvement with Penn State does not end with graduation," Mr. Zimmerman said.

Selected competitively, the 61 Lion Ambassadors lead guided tours of campus, host and help to counsel prospective students and assist Penn State's minority recruiting officers in Pittsburgh and Philadelphia. They also travel to various Penn State clubs to update alumni on University activities, and work in fund-raising phoneathons.

The project, Mr. Zimmerman said, is only one example of the Alumni Association's increased support for University fund-raising and student recruitment goals in 1981.

The Association also concentrated on strengthening its constituent societies — alumni groups in the various academic colleges and on several of the Penn State campuses.

"An alumni society began functioning at the McKeesport Campus, bringing to six the number of Campuses that now have formal societies," Mr. Zimmerman observed, adding that Berks Campus is working very hard at becoming the seventh.

Mr. Zimmerman said the parent Alumni Association will hold a professional development conference for more than 200 directors of the college constituent societies on April 16. Next year, it will do likewise for directors of the campus societies.

Other activities of the Association that he cited were:

— Through its more than 130 Penn State clubs, the Association increased its efforts to help identify outstanding prospective students for Penn State.

"We now have more than 300 alumni volunteers who have received training from the Admissions office and are helping in this endeavor, especially outside of Pennsylvania where Admissions office recruiters cannot travel so easily," Mr. Zimmerman said.

— The Association worked with the Undergraduate Student Government on a summer jobs project for students. Members wrote to 13,700 selected alumni, asking if their businesses might provide summer jobs to Penn State students.

— More than 350 people participated in the Association's second Alumnae Day conference on current issues affecting women.

— The Association increased its membership by more than 4,000 in 1981. Nearly one-fourth of all living alumni are members.

"It should also be noted that during

Winter Term commencement two weeks ago, the total number of Penn State alumni went over the 250,000 mark," Mr. Zimmerman told the Trustees. "That means that one in every 1,000 Americans is a Penn State alumnus or alumna."

Geography professorship, fellows fund established

A professorship in geography and a new faculty fellows fund will be established at the University through a bequest to be made by friends of the University.

A full-time professor of geography who has excelled in teaching and research will be chosen by the president of the University to fill the professorship. Recommendations will be made by the dean of the College of Earth and Mineral Sciences.

For the faculty fellows fund, professors or associate professors in the College of Earth and Mineral Sciences who are under 50 years of age and have excelled in teaching and research will be selected.

The faculty fellow will be appointed to a five-year, non-renewable term by the president of the University. Candidates will be recommended by the dean of the College of Earth and Mineral Sciences.

In both cases, candidates should be people with the potential to make outstanding contributions in their fields.

Business option added to Spanish, German majors

New options to prepare students for careers in international business have been added to the majors in Spanish and German. They parallel a highly successful program in business and French instituted six years ago.

"We see this as an ideal marriage between the liberal arts and professional training," Provost Eddy told Trustees. "Although language enrollments have been declining at most universities, the need for business professionals with solid language training is becoming more and more apparent."

He noted that the Modern Language Association conducted a survey a few years ago among U.S. business and industry representatives. Nearly 70 percent of the respondents said they use, or expect to use in the future, people with foreign language skills.

"One year after the program in French and business was instituted at Penn State, enrollments in the Department of French had increased by 15 percent. They've gone even higher since then," Dr. Eddy said. "Graduates of that program have been highly successful in finding jobs with IBM, Xerox and other corporations that do business abroad."

Penn State's French-business program was one of the first of its kind. More recently, a number of similar programs have been established at other universities.

Dr. Eddy said the U.S. business community came under fire for its lack of language proficiency two years ago, after the release of a report prepared by the President's Commission on Foreign Language and International Studies. The commission found "scandalous incompetence" in foreign languages among U.S. citizens.

Students who enroll in the business options at Penn State will complete required business and management courses, in addition to language courses that emphasize speaking, writing and translating skills.

No new University funds were required for the options, Dr. Eddy said. They become effective immediately.

Dam, gravesite, stadium construction plans okayed

Trustees have approved final plans for several construction projects. They also approved the obtaining of bids and awarding of contracts for the projects.

One job involves raising the height of the Shaver Creek Dam and its spillway walls by two feet. This is in response to a study done by Berger Associates, dam consultants.

Following an inspection by the U.S. Army Corps of Engineers in April 1979, it was determined that the Shaver Creek Dam at the University's Stone Valley Recreation Area needed alterations to bring it into compliance with the requirements of the 1978 National Dam Inspection Program.

The planned construction will do that, according to Ralph E. Zilly, vice president for business. The work is expected to cost approximately \$75,000.

Also, the Trustees approved plans for a 650-square foot block building to be built beneath the stands at Beaver Stadium. The building will be used as a safety services facility during football games and other events at the stadium.

It will feature a radio communications room, briefing area and public area. It will replace several temporary construction trailers that have been used by University, State College Borough and Pennsylvania State Police personnel for years. The cost is expected to be approximately \$30,000.

Another project is to accentuate the gravesite at University Park of Dr. George W. Atherton, often said to be one of the University's greatest presidents.

Dr. Atherton is buried beside Schwab Auditorium. The proposed memorial will feature a granite wall and bench, sculpture relief and lettering and new landscaping around the gravesite.

The design has been contributed to the University by the architectural firm of Marcel Breuer Associates. Herbert Beckhard, a partner in the firm, is a Distinguished Alumnus of the University. The construction will cost an estimated \$54,200 from undesignated funds given to the University. No tuition or tax dollars will be used.

President Atherton, whose Penn State tenure began 100 years ago and ended in 1906 after 24 years on the job, is regarded by many as Penn State's "second founder" since the school experienced its first substantial growth during his term.

The Trustees also okayed construction of two gazebos on campus as part of a campus beautification effort, to be built from private gifts given to Penn State for that purpose. One will be on the grounds of the University House used for formal receptions and other gatherings. A second one will be on the lawn of the Hetzel Union Building near Atherton Residence Hall.

Three architectural firms selected for projects

Three architectural firms were approved by Trustees for planned construction projects.

The approval followed recommendations to the Trustees by the University's Architect/Engineer Selection Sub-committee.

The firm of Dagitt-Saylor of Philadelphia was chosen to design the proposed Agricultural Arena to be located along Fox Hollow Road adjacent to the Department of Agriculture's Meat Animal Evaluation Center near Beaver Stadium.

The arena is planned as a facility that will host student resident instruction activities in the College of Agriculture, such as the annual horticulture show and various animal shows. It also will be available for some use by the general agricultural community in Pennsylvania.

The firm of John C. Haas, Associates, was approved to design demonstration units for student apartment housing on campus. A preliminary option would be for 36 individual apartments to house a total of 144 students. Four students would live in each apartment. Each living unit would contain four bedrooms, a living room, bath and kitchen-dining area.

The design is for model residence hall units that could begin to replace the

(Continued on page 7)

(Continued from page 6)

Nittany Residence Hall units, designated as "temporary" since World War II.

Last September, the Trustees applied for \$3.48 million in low-interest federal loan funds to build student apartments. The request was denied. It was decided, however, to proceed with design work in the event that the University should, at some future time, find construction financially feasible.

Williams/Trebleck/Whitehead of Pittsburgh is the firm approved to design a planned 40,000 square-foot multi-use building that will be shared by the University Libraries, the Theater Arts Production Studio, the Combustion Lab and the Mine Safety Lab.

The structure is planned for a site at the corner of Bigler Road and Hastings road on campus. It will serve as storage and work space for the four units of the University that will share it. The present Theater Arts Production Studio, located in the Nittany Residence Hall area, is scheduled to be razed.

87 percent of Hershey's freshmen from State

Eighty-seven percent of the first-year students in Penn State's College of Medicine (class of 1985) are Pennsylvania residents.

A significant number will practice medicine in the Commonwealth after they graduate and complete their program in graduate medical education, Hershey Provost and Dean Harry Prystowsky told the Trustees.

"About 50 percent of these students — members of the class of 1985 — came from communities of less than 20,000 people," Dr. Prystowsky noted. "They represent 30 Pennsylvania counties."

Traditionally, he said, the Penn State College of Medicine has drawn much of its student population from small towns. Those students tend to return to small communities to practice medicine, and many choose to be primary care practitioners.

The class of 1985 included 77 men and 21 women. Most majored in chemistry, biology and other science-related fields as undergraduates. Ten percent, however, were not science majors. Dr. Prystowsky said.

The students hold undergraduate degrees from 55 colleges and universities. Four have pursued graduate study.

Dr. Prystowsky also noted that 44 percent of the resident physicians at the Medical Center are training for careers in primary patient care (family medicine, general medicine and pediatrics). Twenty percent are graduates of Penn State's College of Medicine.

Bikers to share mall

A mall at University Park Campus will be turned into a shared bikeway and sidewalk.

The mall extends from College Avenue near Pugh Street past the Henderson Human Development and McAllister buildings.

"This is the result of a survey of bicycle traffic on campus conducted by University Police Services," explained Ralph E. Zilly, vice president for business. "We concluded that no separate bikeway needed to be built on campus."

The shared bikeway/sidewalk will be clearly marked, he noted. Bicycle traffic through the rest of campus will continue to use campus roads and parking areas.

Book to serve on presidential search body

The Trustees named Edward R. Book of Hershey to the University's Trustee Presidential Selection Committee.

The committee is one of two guiding the search for a successor to President Oswald.

The action was taken at the request of

Walter J. Conti of Doylestown, the president of the Board of Trustees, who also serves on the committee. Mr. Conti said he thought it important that all major officers of the Board serve on the committee.

Three Behrend faculty give royalties to College

A Natural Sciences and Engineering Grant-in-Aid has been established to encourage enrollment in the natural sciences and engineering curriculum at Behrend College.

Funding will be contributed annually by associate professors of mathematics Roland E. Larson and Robert P. Hostetler, and mathematics instructor David E. Heyd.

The three, all at the Behrend College, are donating part of the royalties from a calculus text they co-authored. Any student planning to graduate from the College with a degree in natural sciences and engineering is eligible for the grants.

All grants will be awarded for one year only by the scholarship committee of the College. Candidates will be named by the Division of Natural Sciences and Engineering.

MacKenzie fund honors CBA doctoral student

The Ossian R. MacKenzie Doctoral Award Fund has been established to honor the doctoral student who shows promise as an outstanding teacher in business administration.

Family, friends and colleagues of the late Dr. MacKenzie contributed the initial principal of the fund as a memorial to the former dean of the College of Business Administration.

Schuylkill activity center project advances

The Trustees authorized the University to obtain bids and award contracts for construction of a Student-Community Activity Center at the Schuylkill Campus.

The action came after approval of the final plans for the project, which were prepared by the architectural firm of Levkulic and Bosak.

The center will contain a 260-seat auditorium-lecture room, a bookstore, food service/student lounge area and activities room. It is expected to cost approximately \$1 million. A successful fund drive in the Schuylkill Campus service area raised more than \$680,000 toward the project, according to Dr. Wayne D. Lammie, campus director.

If bids can be received and awarded on schedule, construction could be completed by 1983 the Trustees were told.

Five options added to Capitol math major

The major in mathematics science at Capitol Campus has been revised to include five options of study.

Provost Eddy told the Board the options previously were informal "areas of interest," but now are formal areas of concentrated study within the major.

They are actuarial science, computer methods, management science/operations research, mathematics and secondary education in mathematical sciences.

"These options are designed to help fill the demand for qualified people in specialized areas," Dr. Eddy said. "As such, they will require specific mathematical science courses and other courses closely related to the field of study."

In describing the five, Dr. Eddy observed that:

— the actuarial science option prepares students to work in the insurance industry;

— the computer methods and the management science/operations options

both prepare students to apply mathematical science to problems involving the computer and to management problems;

— the mathematics option gives students the background required for graduate study; and

— the secondary education mathematical science option trains students to teach in secondary schools.

Christoffers Scholarship for varsity players

The William F. and Katherine W. Christoffers Scholarship has been created to provide financial assistance to outstanding members of the varsity football squad.

The fund principal was donated by Mr. and Mrs. Christoffers of State College. Mr. Christoffers, a 1943 Penn State graduate, is vice president emeritus for fiscal affairs at the University.

Appropriation

(Continued from page 1)

purchasing power per student has declined significantly," he said.

"Inflation has increased by 92 percent during this period, while our appropriation has increased by only 60 percent," Dr. Oswald explained. "At the same time, our enrollment has increased by more than 20 percent. In effect, we have received no additional funds to support increased enrollment."

In "real dollars," he added, the University is operating with a per-student appropriation that has actually declined by almost 27 percent, from \$1,512 to \$1,109.

"If additional resources are not provided for 1982-83, it is clear that once again it will be necessary to increase tuition rates beyond the 5 percent included on the income side of our budget," President Oswald said.

For 1981-82, the President noted, Penn State received a per-student appropriation of \$2,147 (in today's dollars), which is \$739 less than the average appropriation per student for all other publicly supported four-year institutions in Pennsylvania.

"As the Joint State Government Commission clearly indicates in its 1981 report (commonly known as 'The Snyder Report'), Penn State offers the most cost-effective educational programs of any State-owned or State-related institution in the Commonwealth," Dr. Oswald said.

To offset the problems of inflation, Dr. Oswald observed, the University is stressing effective management.

Since 1971-72, he said, more than \$25.6 million has been "pulled back" from operating budgets and reallocated to areas of greater need.

"All existing academic programs and non-academic activities have been affected," he said. "We are determined to continue such examination and to reduce expenditures wherever possible through effective management."

"We must protect the quality of our educational program, however, and many of our units are extended to their outer limits or beyond in their responsibility to provide education of genuine quality," Dr. Oswald pointed out.

To help preserve the quality of academic programs, the President commented, nearly two-thirds of the budget reallocations have been made from non-academic units.

Nonetheless, he observed that "unavoidable" cost increases include those for fuel, utilities and other supplies and services, as well as growing retirement and Social Security costs, group insurance coverage, and essential salary and wage adjustments for employees.

Dr. Oswald further observed that the University cannot avoid costs for library books and materials, instruction and research equipment and the increased cost

of maintenance of the University's physical facilities.

He also stressed the impact of cuts in Federal aid.

"Because Federal financial aid is forward funded, the impact of the cuts already in place and those further cuts proposed will be felt during 1982-83," he explained.

Termining the reductions "a matter of the gravest concern," Dr. Oswald noted that "higher education accepts that it must do its part to help bring about national economic recovery, but the most recent Federal budget proposals would again cut financial aid to students by approximately 50 percent from the already reduced levels established by Congress last summer."

"On the brighter side," he continued, "I note that the Governor's budget includes a 9 percent increase in scholarship funds for PHEAA. This is most encouraging and I urge your support of this recommendation."

Another area of concern to President Oswald is the University's tuition rate. "Since 1972-73, tuition charges have risen sharply by 116 percent — higher than the 92 percent increase in the general rate of inflation and considerably higher than the 60 percent increase in State appropriations during the same period," he observed.

Tuition for College of Medicine students has risen even more sharply. Tuition for Pennsylvania residents has increased by 483 percent since 1971-72 (from \$1,000 to \$5,829 per year). Non-resident students pay \$9,105.

"I urge that the Legislature concur in the Governor's recommendation for increased support for medical education," he continued, noting that "such support is critical if we are to continue to meet the health care needs of the Commonwealth."

Penn State, he said, has made many valuable contributions to the Commonwealth, including recent achievements in medicine. He also mentioned that Penn State researchers have recorded successes in the areas of agriculture, natural resources, earth and mineral sciences, engineering, education, business and the arts.

But, he added, new challenges face Pennsylvania today.

"Food production, energy, the environment and health represent major problem areas for which Penn State's research programs seek solutions."

"Through its many research activities, the University is in a strong position to contribute toward solutions of many of today's challenges," Dr. Oswald said.

Alumni

(Continued from page 1)

In 1978 after serving as executive director of the Syracuse Clubs Club, Inc., and as a director of community relations for a hospital.

Ms. Kelly holds an M.P.A. degree from Syracuse University's Maxwell School of Citizenship and Public Affairs, where she was a Richard King Mellon Fellow. She has returned to campus before, lecturing and conducting workshops at the University's Alumnae Days in 1979 and 1981.

Dr. Chapman, a physicist major, attended Behrend for two years. His visit there is scheduled for April 5 through 8.

He earned his doctorate in astronomy at Harvard and has held a variety of high level positions at NASA's Goddard Space Flight Center, where he assisted with research for the Space Shuttle and is currently acting head of the Stellar and Cosmic Astronomy Branch.

Dr. Chapman, too, is active in Penn State and Behrend College affairs. He is a member of the board of directors of the College of Science Alumni Society and of the Society's executive committee. He was the speaker at Behrend's 1974 Graduation Ceremony.

University Park Calendar

March 25 — April 4 Special Events

Thursday, March 25

Office of Religious Affairs, The Rev. William Skoane Coffin, Jr., sr. minister, Riverside Church, N.Y.C., worship and prayer service on the nuclear proliferation and peace issue, 4 p.m., Music Bldg. recital hall. Discussion of how the peace issue relates to the Judeo-Christian faith, 8 p.m., Schwab.

Kern Classics, *Lords of Flatbush*, 7 and 9 p.m., 112 Kern.

New German Cinema, Herzog, *Heart of Glass*, 7 and 9 p.m., HUB Assembly Room.

Opera workshop performance, 8 p.m., Pavilion Theatre.

Friday, March 26

History of Photography lecture, 3:30 p.m.,

101 Kern. Mary Farnes, on "Turn-of-the-Century Naturalistic Photography: Philadelphia School."

Vergil Celebration, 3:30 p.m., 112 Kern. Dean Thomas F. Magner, Liberal Arts, "Introduction," 4 p.m., Allen Mandelbaum, CUNY Graduate Center, on "Vergil at the Gates of Speech and Silence."

Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. Thomas Hubka, prof. of architecture, Univ. of Oregon, on "Maine Farmers: The Connected Farm Architecture of Northern New England."

Commonplace Theatre, *For Your Eyes Only*, 7 and 9 p.m., 112 Kern. Also March 28.

Cinemateque, *Carnal Knowledge*, 7 and 9 p.m., 121 Sparks. Also March 27.

E.W. Miller Memorial lecture, 8 p.m., 117 Osmond. Sir N.F. Mott, Nobel laureate in physics, Cambridge Univ., on "Conduction in Non-Crystalline Materials: Solved and Unsolved Problems."

GSA Coffeehouse, 8 p.m., 102 Kern. Sports: softball, Lady Lion Invitational. Also March 27.

Saturday, March 27

Vergil Celebration, 10 a.m., 101 Kern. John Adams, classics, on "Vergil and Cornelius Gallus," 10:45 a.m., Gerard J. Brault, French, on "Vergil and Twelfth-Century French Literature," 11:30 a.m., Alfred A. Triolo, Italian, on "Dante's Vergil: Symbolic Levels," 2 p.m., Robert W. Carubba, classics, on "Horace's Propempticon to Vergil (*Odes* I, 3)," 2:45 p.m., Ralph Condee, English literature and humanities emeritus, on "Homer/Vergil's Vergil/Milton? Perhaps," 4 p.m., Elizabeth Block, Dept. of Classics, Univ. of Pa., on "Vergil and His Readers."

France-Cinema, Bergman, *Life of the Marionettes*, 7 and 9:15 p.m., 112 Kern.

Sports: lacrosse (men) vs. Syracuse, 2 p.m.; volleyball (men) vs. Ohio State, 2 p.m.

Sunday, March 28

Penn State Symphony Orchestra Young Artists' Concert, 3 p.m., Schwab.

Nursing Consultation Center, Brig. Gen. Hazel W. Johnson, chief, U.S. Army Nurse Corps, on "Update on the Corps," 5:45 p.m., Nursing Consultation Center, Human Development East.

Monday, March 29

Pass/Fail Keith Ward, pianist, 8:30 p.m., Music Bldg. recital hall.

Tuesday, March 30

Pass/Fail Instructional Development Program Workshop, "The Environment Communicates," 9:30-11 a.m., 305 HUB. Also March 31, 1:20-3:00 p.m., April 1, 3:40-5:00 p.m.

Lutheran Center for Campus Ministry, "Bach's Lunch," featuring Anita Bealer, noon, Eisenhower Auditorium.

Comp. Lit. Luncheon, 12:15 p.m., 204 HUB. Emily Groschold, philosophy, on "Angels, Language and the Imagination: Rilke and Baudelaire."

STS/Three Cultures Dialogue, 12:20 p.m., 101 Kern. Paul O. Woolley, Jr., health planning and administration, on "Utilitarian vs. Social Equilibrium Health Care Policies."

Amuse Series, *The Sound of Music*, 8 p.m., Schwab.

Monday, March 29

Div. Learning and Telecommunications Services, 3 p.m., 8 Mitchell, Bruce Adams, WPSX, on "Teaching America to Sing," a



"Secrets of the Gila" from Glenn Zweygard's Zoller show.

Wednesday, March 31

Drop deadline. Preregistration deadline for Summer 1982. Pass/Fail.

Course Repeat deadline. Commons concert, noon, Kern Lobby.

GSA Tax Workshop, 7 p.m., 101 Kern. Artists Series, Emlyn Williams as Charles Dickens, 8:30 p.m., Schwab Auditorium.

Sports: baseball vs. Bloomsburg (DH), 1:30 p.m.; volleyball (men) vs. Pittsburgh, 7 p.m.

Thursday, April 1

Commons Erikson Gallery Print Sale, 10 a.m.-4 p.m., Kern Lobby. Also April 2.

Linguistics Symposium, 8 p.m., Keller. Maurice Gross, Univ. of Paris, on "Building Lexicons-Grammars for Romance Languages."

Kern Classics, *Hot Rock*, 7 and 9 p.m., 112 Kern. New German Cinema, Hauff, *Knife in the Head*, 7 and 9 p.m., HUB Assembly Room.

Museum of Art film, *The Fallacies of Hope*, 7 p.m., First Floor Gallery.

Sports: lacrosse (women) vs. Towson State, 3:30 p.m.

Friday, April 2

Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. Peter Haggitt, Univ. of Bristol, on "A Geographer Looks at Epidemics."

Linguistics Symposium, 6 p.m., Keller. James Harris, M.I.T., on "Theories of Phonological Representation and Nasal Consonants in Spanish."

Commonplace Theatre, *The French Lieutenant's Woman*, 7 and 9:15 p.m., 112 Kern. Also April 3.

Cinemateque, Sunday, *Bloody Sunday*, 7 and 9:15 p.m., 121 Sparks. Also April 3.

GSA Coffeehouse, 8 p.m., 102 Kern. Contemporary Dance Company, 8:30 p.m., Eisenhower Auditorium. Also April 4.

Sports: tennis (women) vs. Brown, 2 p.m.

Saturday, April 3

Deadline for May graduates to deliver doctoral theses to committees.

France-Cinema, Kury, *Peppermint Soda*, 7 and 9 p.m., 112 Kern. Also April 5.

Sports: baseball vs. Rutgers (DH), 1 p.m.; lacrosse (men) vs. Ohio State, 2 p.m.; volleyball (men) vs. Rutgers-Newark, 7 p.m.

Sunday, April 4

Penn State Glee Club and Queen's Choral, Rutgers Univ., concert, 3 p.m., Music Bldg. recital hall.

Sports: baseball vs. Mansfield (DH), 1 p.m.

Seminars

Thursday, March 25 Chemistry, 12:45 p.m., 333 Whitmore. Peter C. Vollhardt, UC-Berkeley, on "Transition Metal Catalyzed Carbon-Carbon Bond Formation."

Economics, 3 p.m., 101 Kern. Bennett T. McCallum, Carnegie-Mellon Univ., on "Recent Developments in Macro and Monetary Economics."

Philosophy, 4 p.m., 267 Willard. Henry W. Johnstone, Jr., philosophy, on "Anagnorisis and Truth."

Aerospace Engineering, 4 p.m., 232 Hammond. David Quam, Univ. of Dayton, on "Bionic Control in a Flight Simulator."

Ecology, 4 p.m., 8 Mueller. Stephen J. Beckerman, anthropology, on "Indigenous Agriculture in Amazonia: The Disadvantages of Interropping."

Monday, March 29

Div. Learning and Telecommunications Services, 3 p.m., 8 Mitchell, Bruce Adams, WPSX, on "Teaching America to Sing," a

one-camera documentary production of the 1980 Fred Waring Choral Workshop.

Entomology, 3:40 p.m., 204 Patterson. Stephen K. Wikel, School of Medicine, Univ. of South Dakota, on "Host Immune Responses to Ectoparasite Infestations."

MC38, 4 p.m., 101 Althouse. Dr. Michael Rosenblatt, Endocrine Unit, Mass. General Hospital, on "The Parathyroid Hormone: A Functional Map of the Hormone Molecule from Intracellular Transport to Receptor Interaction."

Tuesday, March 30 Geosciences, 3:45 p.m., 22 Deike. Gerard Demaison, Chevron Overseas Petroleum, on "Petroleum Source Beds: Environment of Deposition and Stratigraphy."

Plant Pathology, 3:45 p.m., 213 Buckhout. Alagacone Sankantha on "Tozzetti - Classic -9."

Thursday, April 1 Anthropology, 3:30 p.m., 107 Carpenter. Michele Hayward on "Linkage of Colonial Mexican Parish Records."

Physics, 3:50 p.m., 117 Osmond. M. Dresden, SUNY, on "H.A. Kramers and Quantum Theory."

Chambers Gallery: Junied Undergraduate Photo Show.

HUB Gallery: Prints by Romare Bearden and

Visual Arts Bldg., Zoller Gallery: Glenn Zweygard, Alfred University, sculpture, through April 4.

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A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Jacob Lawrence, opens April 4.

Kern Gallery: Ruth Kemper, recent watercolors, through March 28.

Lynette King, ceramics, through March 31. Marcelle Lapow Toor, painting on paper, through April 1.

Slavic Arts and Artifacts, opens April 5.

Museum of Art: Richard Hamwi, Works on Paper, through March 28.

David van Dommelen, Twenty-Five Years of Fiber Art, through March 28.

Photographs from the Museum's Collection. Director's Choice, Selected works from the Museum's Collection.

Sculpture and Sculptural Objects from the Museum's Collection, opens April 4.

Pattee Library: Rare Books Room: Vergil: 200 Years, through April 5.

East Corridor Gallery: Prints from the collection of the Arts Library, through April 6; Ed Leos, photographs, "Dorothy Roberts and her Poetry," opens April 6.

Main Lobby and Second Floor, East Pattee: A Tribute to Natalie Wood.

Lending Services Lobby: Judy Stern, portraits, West Pattee Lobby: Allyson Lush, paintings, prints and drawings.

Paul Robeson Cultural Center: "Twenty-Five Approaches to Contemporary Printmaking."

Visual Arts Bldg., Zoller Gallery: Glenn Zweygard, Alfred University, sculpture, through April 4.



Theatre students Randy Miles, Tim Lora and Susan Martinelli appear in scene from "Archy and Mehitabel."

Opera workshop to offer three productions

Trial by Jury, a Gilbert and Sullivan spoof on justice; *Archy and Mehitabel*, tales from the lives and loves of a cockroach and his female friend; and *La Serva Padrona*, a farcical saga of reconciliation and reunion between lovers, will be presented today (Thursday) through Saturday in the Pavilion Theatre at 8 p.m.

The three, one-act operas are a joint venture of the School of Music and the University Resident Theatre Company, and they represent the output of this year's opera workshop.

Bruce Trinkley, an associate professor of

music, directs the workshop and the music for these productions.

MFA candidate Rob Garber is directing *Trial by Jury*. For *Archy and Mehitabel*, which has been transformed into a jazz-style opera, Laurie Boyd, assistant professor of theatre, is serving as director.

Helen Manfull, associate professor of theatre, is stage director for Pergolesi's 18th-century comedy.

Tickets for the three operas can be purchased at the Playhouse box office. For information and reservations, call 865-1884.

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Honors criteria changes before Senate

A proposal to change the criteria for graduation with honors and for Dean's List will be presented for legislative action at the University Faculty Senate's meeting Tuesday, April 6, in Room 112 Kern Graduate Building.

The Committee on Undergraduate Instruction will present the proposal, which contains two recommendations.

The first, addressing the standards for graduation with various levels of distinction, states that rule B8-30 (on page 33 of the 1981-82 Penn State Student Handbook) be replaced with the following:

"The top 12 percent of the baccalaureate degree candidates from any college shall be eligible to graduate with distinction if they have achieved at least a GPA of 3.5. The 12 percent should be divided into 2 percent With Highest Distinction, 4 percent With High Distinction, and 6 percent With Distinction."

The rule for associate degree candidates would be identical.

At present, various levels of distinction are determined solely by GPA levels; the proposed legislation would have the effect of varying the GPA level required for a particular level of Distinction from commencement to commencement.

The second of the Committee's recommendations deals with student selection to the Dean's List, as stated in the *Academic Administrative Policies and*

Procedures Manual No. 1G-8, which governs the selection. The Committee recommends that the policy be changed to list the following criteria:

"A. Undergraduate students must earn a term (semester) grade point average of 3.5 or higher while enrolled for a full-time credit load (8 or more credits per term — 12 or more credits per semester).

"B. Pass-Fail courses and Audit courses are not included in the determination of grade point averages or credit load.

"C. No more than 15 percent of the students in any college may be placed on the Dean's List. Each college and the Division of Undergraduate Studies (DUS) may decide its minimum GPA for the Dean's List, but the college GPA cannot be lower than the University-wide GPA of 3.5.

"D. Provisional students and non-degree students shall be grouped for the purpose of this rule."

Criteria "A" and "B" are essentially the same as under the present policy, with the major change being in the introduction of "C."

The Committee also will present a proposal to change student policy 34-89, on the course drop rule, to make it conform to the semester calendar.

The Committee on Admissions, Records and Scheduling will present a legislative report calling for action on a plan for

implementation of 800-level course legislation.

On May 6, 1980, the Senate approved legislation that allows for 800-level courses to be applied toward baccalaureate degree requirements. That legislation, proposed by the Committee on Curricular Affairs, was never implemented. The current proposal outlines a means of implementing the previous legislation; details will be presented at the meeting.

"Physical Plant Planning," an informational report to be presented by the Committee on Academic and Physical Planning, will focus on how problems with the University physical plant affect faculty, student and staff morale.

The report is based on the results of a survey sent to some 500 members of the University community. Of the 236 questionnaires returned, 108 were from campuses other than University Park.

Details of the survey, which will be presented by the Committee, indicate that the majority of Penn States have positive to very positive attitudes toward the University's physical plant. Some problem areas, however, were reported, primarily as the result of budgetary restrictions.

In another informational report, the Committee on Research will review the Climate for Research at the Commonwealth Campuses."

The report is part of a study begun in 1979-80 as one of a series of examinations of the "research climate" in various subdivisions of the University.

Also on Tuesday's agenda will be two legislative reports from the Committee on Committees and Rules.

The first deals with "Changes in Sequencing of Elections and Committee Selection," the second, with "Vacancy in the Office of the Chairman-Elect — *Bylaws*, Article I, Section 1 (d)."

Both pertain to the Senate's internal organizational structure.

Food and Drug head to talk at Commencement

Dr. Arthur H. Hayes Jr., U.S. commissioner of the Food and Drug Administration, will speak at Spring Term commencement exercises at University Park on Saturday, May 29.

"We are delighted that Dr. Hayes will share his experiences with us at graduation," President Oswald said. "He distinguished himself as a member of our faculty and, although at the FDA for only one year, is rapidly acquiring a reputation for being a decisive and fair public servant."



Dr. Hayes

"He is a man of integrity, strong leadership skills and a high degree of professionalism."

Dr. Hayes was professor of medicine and pharmacology and chief of clinical pharmacology at the Milton S. Eshelby Medical Center before going to Washington. He is also a 1950 graduate of Penn State.

He will address approximately 4,400 bachelor's, master's and doctoral degree recipients at Beaver Stadium. The ceremony will begin at 10:30 a.m.

Dr. Hayes was appointed head of the FDA in April of last year by Richard S. Schweiker, secretary of Health and Human Services. Dr. Hayes is in charge of approximately 7,300 staff members involved in field inspections, research, public information and decisions on the safety of a wide variety of products in the United States.

At Hershey, he directed the Medical Center's hypertension clinic and served on the editorial boards of five professional journals. Formerly chief of the cardiac pacemaker clinic at New York Hospital and affiliated with Cornell University's Medical College, he has been a visiting faculty member at several universities over the years, including the People's Republic of China's Academy of Medical Science.

His research has been largely on the use of drugs to treat hypertension and heart disease. While a student, Dr. Hayes was both a Rhodes Scholar and Danforth Fellow.

Dr. Hayes believes that one of the FDA's biggest challenges in the next few years will be to remain a leader in innovative research and to maintain its scientific expertise. The agency also, according to Dr. Hayes, must create a climate that allows for a free exchange of information among consumer groups, industry and the government.

News in Brief

Three medievalists to visit next week

In commemoration of the 800th anniversary of Saint Francis of Assisi's birth, the Medieval Studies Program, with the help of the Institute for Arts and Humanistic Studies, the School of Music and the Department of History is bringing three prominent medievalists to Penn

Questions welcomed

Any member of the University community with any kind of question or concern about the new academic calendar is urged to contact the Calendar Conversion Council at 304 Old Main (865-0491). Members of the Council are always available to discuss issues and questions.

State to speak about various aspects of monasticism and religious life during the Middle Ages.

Giles Constable, director of the Center for Byzantine Studies at Dumbarton Oaks in Washington, D.C., and an eminent

(Continued on page 6)



Redecoration of the first floor of the Nittany Lion Inn is nearing completion. Above, the newly reopened dining room done in dark green with wood paneling. — Photo by Scott Johnson

Penn Staters

Dr. Karen Linn Bierman, assistant professor of psychology, has been awarded a \$150,000 research grant by the William T. Grant Foundation Scholars Program in Mental Health of Children.

Dr. Bierman will use the grant, to be distributed over a five-year period beginning July 1, for a research project titled "Promoting Adaptive Adjustment in High-Risk Aggressive Boys: Assessment, Intervention and Long-Term Follow-up."

The Grant Foundation's Scholars Program in Mental Health of Children is new this year. Dr. Bierman is one of five researchers selected in national competition to receive grants and the designation as a "faculty scholar" of the foundation. The program is designed to fund promising young scholars working in the area of stress factors and coping skills for problem children.

Dr. Bierman joined the faculty in July 1981, after receiving an M.A. and Ph.D. in child-clinical psychology from the University of Denver. She earned her B.A. in psychology and human biology at Stanford University.

R. Thomas Berner, assistant professor of journalism, is one of nine fellows recognized for excellence in the teaching of writing and editing by judges representing the Modern Media Institute, the American Society of Newspaper Editors, the Associated Press Managing Editors and the National Conference of Editorial Writers. Professor Berner will participate in a five-day seminar at the Modern Media Institute's Writing Center.

Dr. Kathryn M. Moore, associate professor of education and research associate in the Center for the Study of Higher Education, was installed as president-elect of the Association for the Study of Higher Education at its annual conference last month. Included in her duties will be planning and supervising the three-day annual conference next year. During this year's conference, Dr. William E. Toombs, professor of education and director of the Center, joined the Association's board of directors.

Dr. Robert A. Schlegel, assistant professor of molecular and cell biology, recently presented a series of invited seminars dealing with his current research. He discussed "Merocyanine 540: A Fluorescent Probe of Membrane Phase State and Lipid Bilayer Asymmetry" at the Helicon Foundation, La Jolla, California, and spoke about "Merocyanine 540 as a Probe of Hematopoietic Cell Surfaces" at the Los Alamos National Laboratories, Los Alamos, New Mexico. Dr. Schlegel also visited the University of New Mexico, where he lectured on "Introduction of Macromolecules into Mammalian Cells via Red Cell-Mediated Microinjection."

Sigmund S. Birkenmayer, professor of Slavic languages, has been re-elected president of the Association for the Advancement of Polish Studies, an organization founded in 1973 for the purpose of promoting all forms of Polish studies in the United States and Canada.

Dr. James M. Slick, an assistant director in the Career Development and Placement Center, has been named to the board of the DISCOVER Foundation, developers of computer-based career guidance systems.

Bookshelf

Blue Mountain, a book of poems by John Balaban, has been published by Unicorn Press of Greensboro, N.C.

An early book of poetry by Professor Balaban, *After Our War*, won the 1974 Lamont Selection of the Academy of American Poets and was nominated for the National Book Award in 1975. The landscapes in *Blue Mountain*,

according to Professor Balaban, are set largely in the western United States—in Texas, New Mexico, Colorado, Wyoming, Utah and Kansas. The last section of the book is about the Black Sea in Romania, where the poet was a Senior Fulbright Lecturer in 1976-77, and in Bulgaria, where he has been a guest of the Union of Bulgarian Writers.

Individual poems from the book appeared earlier in *The Southern Review*, *Harvard Magazine*, *The American Scholar*, *The Nation*, *Prairie Schooner*, *New Letters*, *Poetry Now*, and *The Southern Review*.

Professor Balaban is the author also of *Letters from Across the Sea*, a book of poetry published bilingually in Romania in 1979, and the translator and editor of two books, *Vietnamese Folk Poetry* (Unicorn Press, 1974) and *Ca Dao Vietnam* (Unicorn Press, 1980).

A Penn State graduate, Professor Balaban earned a master's degree at Harvard. He is currently on sabbatical leave at the Helene Wurlitzer Foundation in Taos, New Mexico.

Dr. K. Warner Schaie, professor of human development, is co-author, with Dr. James Gewirtz, of *Adult Development and Aging*, a 448-page text published by Little, Brown and Company of Boston.

Designed as an introduction to the psychology of adulthood, the book provides an analysis of the fundamental facts and theories of biological, intellectual, personality and social development in the adult years.

In addition to covering standard topics of the discipline, the text offers in-depth treatment of issues often skirted in other works, such as motivation, mental health and death and dying.

Dr. Schaie and Dr. Gewirtz have also edited a 400-page book, *Readings in Adult Development and Aging*, published by Little, Brown, which focuses on 13 central themes in adult development.

Dr. Schaie came to Penn State in January from the University of Southern California, where he was director of the Gerontology Research Institute. He is the author of six previous books.

Dr. Daniel Katkin, program head of administration of justice and professor of law, is the author of a new book, *The Nature of Criminal Law*, published by Brooks/Cole Company.

The 329-page text is designed to raise fundamental questions about the nature of law and its relationship to power and morality. Included are essays, cases and other materials to illustrate the substance of the criminal laws in the United States today. The problem of punishment is

discussed and an overview of criminal procedures is presented.

Dr. Katkin believes his book is unique because it does not treat criminal law as a set of definitions to be memorized, but rather as a cluster of ideas, principles and questions about the human condition.

"Ongoing change in many areas of criminal law is inevitable," he says.

"Focusing only on the law that is tends to discourage thinking about the law that ought to be."

In many respects, he says, *The Nature of Criminal Law* deals as much with philosophy as with traditional materials on the law.

Robert Gannon, associate professor of English, is the author of *Half Mile Up without an Engine: The Essentials, the Experiment of Salpines and Soaring*, a new 196-page book published by Prentice-Hall.

Last September, Professor Gannon co-piloted a sailplane that broke the world's out-and-return distance record. It soared for 1,000.03 km. along the Appalachian spine, from central Pennsylvania nearly to Tennessee and back.

The book is designed for the beginner who wants to learn the theory and techniques of soaring.

Dr. Deane K. Smith, professor of mineralogy, is co-editor of a book published recently by Plenum Press.

Entitled *Advances in X-ray Analysis*, the book includes 56 papers given at the 1980 Denver Conference on the Applications of X-ray Analysis. Dr. Smith is also co-author of three of the papers in the book.

Promotions

Staff Non-Exempt

Linda K. Bair to licensed practical nurse/Meds at Hershey.

Kim M. Balog to licensed practical nurse/Meds at Hershey.

Ferne O. Hepler to licensed practical nurse/Meds at Hershey.

Anna M. Martin to licensed practical nurse/Meds at Hershey.

Martha L. Richardson to senior research technician at Hershey.

Beverly Seerge to licensed practical nurse/Meds at Hershey.

Marian Shay to licensed practical nurse/Meds at Hershey.

Linda S. Wolf to licensed practical nurse/Meds at Hershey.

Clerical

Brenda Dalecki to secretary C in Human Development.

Rebecca E. Maurer to inpatient billing clerk at Hershey.

Kathleen Ruffner to secretary B in Human Development.

Evelyn J. Walck to secretary B in Education.

Technical Service

Harvey Hoffman to maintenance worker utility in Physical Plant.

Charles A. Poretto to operator, Engineering Copy Center in Engineering.

Obituaries

Charles W. Brouse, shop superintendent in the College of Science from 1958 to 1958, died March 10 at the age of 97. He came to the University in 1939 as a machinist in Physical Plant and later worked as a mechanic.

Willis C. Dillen, a utility man with Housing and Food Services from 1954 to 1969, died March 10 at the age of 78.

John D. Bassett, a research associate at the Applied Research Laboratory from 1965 to 1981, died March 14 at the age of 65.

Constance S. Fleck, a statistical clerk in the College of Agriculture from 1965 to 1981, died March 17 at the age of 60.

Paul W. Jackson, an electronic technician in the College of Science from 1950 to 1970, died March 20. He was 76.

Faculty/Staff Alerts

The Office of Personnel Administration would like to remind faculty and staff members of the University policy regarding the placement of help wanted advertising.

The Manager of the Employment Division is responsible for reviewing the wording of all help wanted advertisements, so that such advertisements are in compliance with State and Federal legislation and a standard of public relations is maintained (See PS-33, Help Wanted Advertising in the University Policy Manual).

Anyone wishing to place classified advertisements for faculty or staff vacancies should contact Robert L. Kidder, manager, Employment Division, 865-1387 (Network number 475-1387) before taking any formal action.

A fact sheet on proposed cuts in student aid

Editor's note: The University's Task Force on Federal Cuts in Higher Education and Student Aid has issued the following information sheet. Members of the University community are urged to make use of the information in communicating with their federal congressional delegation.

- Eighty percent of Penn State's 54,500 students receive some form of financial aid, enabling them to attend college.

- President Reagan's 1983 budget proposals, now under consideration by Congress, call for additional severe reductions for the current fiscal year and further cuts for fiscal '83 in the following programs:

- 1. Basic Educational Opportunity Grants (BEOG — now known as Pell Grants) provide assistance to students on the basis of financial need. The grants would be cut by 45 percent by the 1983-84 academic year. Students would lose their eligibility for the program if their adjusted family income rose approximately \$15,000 to \$18,000, compared to a current maximum of \$26,000. Students with family incomes as low as \$10,000 might find themselves ineligible if they attend a very low-cost school.

- 2. Supplemental Educational Opportunity Grants (SEOG) are administered through colleges and universities for students with the greatest financial need. These grants, currently totaling \$370 million, would be eliminated.

- 3. National Direct Student Loan (NDSL) provides low-interest loans (up to \$1,250 annually) for low-income students. Currently

funded at \$186 million, no new funding would be provided.

- 4. College Work Study Program (CWSP) allows students to earn a part of their financial aid through approved jobs at their colleges. The program, currently funded at \$550 million, would be reduced to \$400 million.

- In total, the Reagan budget proposals would cut Pell grants by one-third and trim all federal aid for student scholarships by \$636 million, or about 60 percent.

- According to the American Council on Education, Pennsylvania could lose \$88 million in awards for 116,500 students. Only two other states, New York and California, would suffer more severe losses.

Impact at Penn State

- At Penn State, students currently receive \$1,600 federal financial aid awards, totaling \$44.8 million. Under Fiscal '82 proposals, this would be cut to some 39,360 awards totaling \$64.2 million for fall, 1982, and to 33,960 awards totaling \$59.4 million for fall, 1983.

- For the 1982-83 academic year at Penn State, the proposals would mean these losses: Pell Grants, 4,100 awards, \$3.7 million; SEOG, 995 awards, \$66,000; College Work Study, 1,150 students, \$1.3 million.

- For the 1983-84 academic year, losses under the budget proposals would be: Pell Grants, 6,600 awards, \$5.9 million; SEOG, 2,900 awards, \$2.5 million; College Work Study, 914 students, \$1 million; National

Direct Student Loan, 1,230 borrowers, \$1.2 million.

Cuts in Guaranteed Loans

- In addition, further cutbacks would be made in the Guaranteed Student Loan program (GSL), which affects thousands of students from middle-income families. Not a grant program, it allows students to obtain long-term, low-interest loans, insured by the Federal Government, through banks and lending institutions. Once available to all students, regardless of family income, it would now be restricted to those showing documented need. Moreover, borrowers would have to pay, two years after repayment starts, market interest rates instead of the current 9 percent for the life of the loan. And the initial cost of getting a loan would double — from 5 to 10 percent.

- The Pennsylvania Higher Education Assistance Agency estimates that, under President Reagan's proposals, 41 percent of students currently receiving such loans would be eliminated from the program, or have their loans reduced. This amounts to \$262 million in loans, affecting 118,000 students.

- At Penn State, the Reagan proposal would mean a loss of 5,900 GSL borrowers and \$14.6 million in the 1982-83 academic year. A similar loss of 9,900 borrowers and \$14.6 million is projected for the 1983-84 academic year.

(Continued on page 7)

Partings

John S. Boyle, a faculty member since 1949, will retire April 1 as professor emeritus of plant pathology.

Dr. Boyle's major research at Penn State has focused on virus diseases of fruit and vegetable crops. He pioneered work in the experimental transmission of viruses from woody to herbaceous plants. This led to a better understanding of the chemical and physical properties of viruses infecting cherry, peach and apple trees.

Most recently, he showed that tobacco mosaic virus can induce two completely different diseases in tomato and pepper plants.

Dr. Boyle has had extensive international experience in dealing with crop production problems related to diseases. He was a Fulbright lecturer at Assiut University in Upper Egypt, and also worked in Uruguay, Ireland and Sri Lanka.

A past president of the Northeast Division of the American

Phytopathological Society, Dr. Boyle is a graduate of Wichita State University. His master's degree was conferred by the University of Iowa and his doctorate, by the University of Wisconsin in Madison. During World War II he was an officer in the U.S. Navy.

Lester P. Nichols, professor of plant pathology Extension, will retire April 1 with 34 years of service.

A native of Cranston, R.I., Professor Nichols received his B.S. from the University of Rhode Island in 1942 with a major in botany and horticulture. He earned his M.S. in plant pathology in 1947 from the University of Delaware.

His first 13 years as Extension specialist were spent conducting educational programs in all areas of plant disease control in southwestern Pennsylvania. Since 1961, he has placed major emphasis statewide on diseases of ornamentals and nursery crops and has paid particular attention to disease resistance of flowering crabapples, a project he hopes to continue working on after retirement.

As the month of February drew to a close, so did the careers of four Housing and Food Services employees. They are Phyllis H. Aley, food service worker; Myrtle Getz, associate housekeeping supervisor; Edna M. Meyer, food service worker; and Dorothy M. Singer, residence hall worker.

Mrs. Aley began her 21 years of service as a food service worker in Johnston Dining Hall and transferred to her most recent position in Findlay in 1968.

Of her job, she says: "I'm going to miss it terribly for a while, but I'll get adjusted to it. I met a lot of nice people on the job, some that I'll never forget. In all the years that I've been here, I've thoroughly enjoyed it or else I wouldn't have stayed this long."

Retirement plans for Mrs. Aley include "finishing some projects" at her Jacksonville home and helping a sister who is ill. Eventually, she and her husband, Leon, intend to travel to California to visit one of their two sons. They also plan to take several bus tours. Mrs. Aley belongs to the Marion Grange and is secretary of the Ladies Aide of the Marion Auxiliary.

"I'll miss the fellowship of both my associates and the students," notes Myrtle Getz of her 24 years at the University. "Most of the students were really like a family and looked upon me as a second mother. They came and talked over their problems. It's the little things that you do for them that they appreciate."

Mrs. Getz began at Penn State in 1958 as a residence hall worker and in 1961 was promoted to assistant supervisor. She attained the position of associate housekeeping supervisor when the title was created three years ago. She was

responsible for the dorm area in East Halls known as "Quad 1, Front 6" where she coordinated help and laid out work with the head supervisor and two assistant supervisors.

Mrs. Getz keeps busy at the Mt. Nittany Methodist Church. Whether it's serving bowling banquets or working at a church bazaar, she says, "We work the whole year long to be prepared for each upcoming event." She is also a member of the Women's Auxiliary of the Bellefonte Moose and the State College Senior Citizens Club.

In the near future she's planning a trip to Oklahoma to see her daughter and three grandchildren.

Edna Meyer's retirement will mark a major change in her lifestyle after 33 years. "I've always worked the early shift," she notes, "which runs from about 4:40 a.m. to 2:40 p.m. I had to get up at 4 a.m. to go to work and even earlier in the winter. I plan just to enjoy my retirement after getting up that early for so long."

Although she has no definite plans for her newly acquired spare time, Ms. Meyer says she has "lots of catching up to do at home." She'll possibly fill the time doing crafts or perhaps travel to the New England or Western states.

A food service worker, Ms. Meyer started in 1949 at Nittany Dining Hall and later worked at Pollock Dining Hall where she spent the remainder of her employment.

Since 1953, Dorothy M. Singer helped to keep clean various women's dormitories — McElwain, Simmons, Hamilton. However, from 1961 until her retirement, she worked in Milfin Hall, a men's dorm.

"I loved to work at the boys' residence hall," she says. "They seem to respect you more."

Mrs. Singer's 29-year career matches that of her husband, James, who retired last year as a maintenance mechanic in Housing and Food Services — giving the Singers a total of 58 years at Penn State.

Retirement will provide an opportunity to travel for Mr. and Mrs. Singer. Visiting a niece in Colorado and travelling to Cincinnati to see one of their sons in the Air Force are among their plans.

The Singers, who reside at Petersburg R.D. 1, have four children and seven grandchildren.

Lettie K. De Lauter, graduation coordinator in the Office of University Registrar, retired Feb. 1 after working for the University since Dec. 1, 1947.

Noting that she worked in the same office during her entire Penn State career, Mrs. De Lauter says she had been in her most recent position for about 14 years.

As graduation coordinator, she was responsible for having the Commencement programs printed, for ordering all diplomas and for keeping all of the statistics regarding each graduation.

Mrs. De Lauter's is a Penn State family — her father, Martin K. Knutsen, was on the faculty from 1919 to his death in 1943, and her son, Joseph H., is a 1976 graduate. In addition, brother Martin H. Jr. graduated in 1943.

Included in her retirement plans are traveling to see relatives in California, Michigan and New York, as well as "lots of relaxing and working around the house."

"I never disliked anything they asked me to do on the job," says Thelma Miller. "I enjoyed everything that I did. Waitress work was always interesting to me as a little girl and fascinating to me as a teenager."

Mrs. Miller retired March 3 after serving as a food service worker in Redifer Dining Hall. "I was there for all of my 24 years," she notes. "I liked the work so I stayed there."

Mrs. Miller has some definite plans for her retirement. "First I'm going to take a month's rest. Then, I'm going to do some



Professor Nichols



Professor Boyle



Left: Myrtle Getz; right: Phyllis Aley



gardening and pursue the rest of my hobbies."

Her other hobbies include crocheting, in particular, making pineapple doilies.

"Right now," Mrs. Miller says, "the larger and more intricate they are the better." She also likes to cook and bake, especially homemade bread for her husband, Alton, a retired teacher.

Mr. and Mrs. Miller have no plans to travel and intend to enjoy their retirement, mainly at their Beech Creek home. "We're not going to move around too much," comments Mrs. Miller. "All of a sudden we might go and visit some relatives, but we really have no plans to move outside of Pennsylvania."

Mary Jo Bjalme will be able to mark her retirement time by the seasons. "My husband and I go west in the summer and south in the winter," she says. "After I retire, we'll go to Florida. Around July, we'll go to Wisconsin and probably even farther west this year because there's no hurry to get back. We just like to travel."

Mrs. Bjalme first worked at the University from 1955 to 1957 in the Lion's Den at the HUB. She returned in 1963 as a records clerk in the Health Center and later in the Division of Counseling, predecessor to the Division of Undergraduate Studies. In 1971 she transferred to the College of Education where she handled undergraduate student records. She also worked with advisors to review student qualifications to meet requirements for teaching certification.

"I did have quite a bit of contact with the students, more so than my other jobs, and I really enjoyed working with them," commented Mrs. Bjalme. "All in all, I have mixed emotions about leaving. I worked in Education for 11 years and you can't have been somewhere that long and not have mixed feelings."

Mrs. Bjalme and her husband, Torsten, reside in Centre Hall. Mr. Bjalme retired last year as supervisor of technical services in the College of Earth and Mineral Sciences. The couple has five sons.

Nellie G. Boyle, a secretary in the College of Human Development, retires April 1 after 15 years of employment.

Charles J. Dusch, a vehicle maintenance mechanic at Capitol Campus, retired Feb. 27. His employment began in December 1969.

George W. Lattimer, a security investigations specialist with University Safety, is retiring April 1 after serving since 1969.

Sophia M. Roan, an accounting clerk with Housing and Food Services, retires April 1 after serving extending back to 1965.

Marina Tinkoff-Utechin, a senior assistant librarian and a member of the staff since 1971, will retire May 20.

Betty L. Watson, a serials record clerk in the Libraries, retires April 1. She joined the staff in 1969.

Janet A. Hurtack, a secretary in the College of Engineering since 1969, left the University Feb. 10.

James A. Polito, operations supervisor in Intercollege Research Programs, left the University Feb. 23 after having served since 1968.

Geraldine D. Stine, assistant dining hall supervisor in Housing and Food Services, is leaving the University April 1 after serving since 1965.

Benjamin A. Bronstein, director of public relations at Hershey since 1966, left the University Jan. 1.

Christy Meek, residence hall utility worker with Housing and Food Services since 1962, left the University Feb. 6.

Nancy D. Webster, a secretary at Capitol Campus since 1971, left the University Jan. 16.

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The Lowenfeld Lectures: Viktor Lowenfeld on Art Education and Therapy. John A. Michael, Editor. Foreword by Laura H. Chapman. 420 pages. 47 figures. \$24.50.

The Lowenfeld Lectures contain edited transcripts of his 1958 lectures and discussions on art education and art therapy. The spontaneity and freshness of the lectures is retained in the transcripts by Dr. Michael, a professor of art



education at Miami University. The original recordings were made by Ellen D. Abell — like Dr. Michael, a former student of Dr. Lowenfeld's.

The implications of the tragedy at Jonestown are important to all Americans as a basis for evaluating social and educational policy, the contributors to this volume argue.

In his preface, Dr. Levi, a sociologist from the University of Texas-San Antonio, writes that his aim has been "to present a balance of perspectives: from general theories to concrete cases; from psychology to theology to sociology to law to philosophy; from sectarian actions to societal reactions; from anticult theorists to procult theorists (who view Jonestown as an aberration). This conceptually comprehensive and integrated analysis will leave the reader not with any easy answers but with several well-formulated concerns."

Establishing a link between phenomenology and hermeneutics as seen by philosophers (notably Heidegger and Husserl) and as applied by students of religion (notably Eliade and van der Leeuw) is the pioneering aim of this book. No other existing work ties together the cross-disciplinary strands in a way that is useful for religious studies.

Professors Brenneman and Yarian are on the faculty of the University of Vermont, and Professor Olson teaches at Boston University.

Dr. Wakeley, an assistant professor of wildlife ecology at the University, notes in his Preface that he developed this selection of readings "in response to my own need for an ecologically oriented text appropriate for upper-level undergraduate students in a wildlife-management curriculum. It is intended to fill the gap between available management-oriented texts that cover a range of topics from law enforcement to habitat analysis, and general texts in population biology that draw most heavily from studies of invertebrate groups."

The book is divided into two sections. In the first, under "Characteristics of Wildlife Populations," there are discussions of natality, mortality, dispersal, age and sex composition, and population growth and fluctuation.



The second section deals with "Factors Affecting Population Characteristics"; and topics include weather, predation and exploitation, interspecific and intraspecific competition, behavior and physiological stress.



An annotated edition in modern notation of a collection of some 150 chansons, this book presents "the most important representative work" in Renaissance French secular music. The introduction and critical notes explain 16th-century usages. Concordances and musical facts are provided, as well as English translations of the lyrics. Facsimile plates from the 1572 edition and from the recently rediscovered 1560 *Livre de Meslanges* are included.

The chansons, in from five to eight parts, are by both important and lesser known Flemish and French composers of the late 15th- and mid-16th-centuries. Few of the *Mellange* compositions are available in modern editions. Many of the chansons formed the basis of music for guitar, lute, harpsichord, organ and string consort, and these compositions are found in French, Flemish, Spanish, Italian, German and probably English and Hungarian sources. Major poets, notably Marot, Ronsard and Petrarch, are among the Lyricists.

The author is professor of music at the City University of New York.

Even though its best known modern spokesman, Martin Luther King, is dead, messianic Christian rhetoric still characterizes black oratory both from the pulpit and on the hustings, according to Dr. Moses.

The author — a Brown University Ph.D. who has taught at Iowa and Southern Methodist — views black messianism as “a powerful and, in many respects, a beautiful myth, permeating the thinking of both white and black Americans since the late 18th century.” After tracing its “roots,” he follows the mythic black hero as messiah in the works of writers ranging from Booker T. Washington to Ralph Ellison.

Dr. Moses concludes that even with its excesses, the American traditions of "evangelical reform, perfectionism, and the social gospel" offer more promise than today's widespread "narcissistic anarchism."

This book is a scholar-critic's "commentary on T.S. Eliot's poetry . . . after reading it over most of a lifetime." A professor of English at the University of Minnesota, Dr. Unger shows, in the words of one critic, "the way in which diverse strands of influence converge in specific Eliot poems. . . ."

(Continued on page 7)



Gentileschi was one of the great Italian painters of the 17th century, preeminent among Caravaggio's Roman "followers." The book describes the events that shaped

his career — the trial of a fellow painter, Agostino Tassi, for the rape of Orazio's daughter Artemisia (an artist herself); a call to France by Queen Marie de' Medici; his invitation to visit England, where he became an official court painter under Charles I. The book also includes a lengthy Catalogue Raisonné and photographs of the artist's works.

Dr. Bissell, a member of the faculty of the University of Michigan, offers the first comprehensive examination of Gentileschi's art, showing his response to changing artistic tastes and to sociocultural influences and considering his style in relation to subject matter, didactic function, scale, medium, physical location and patronage.

Van-poolers applaud "togetherness" for commuters

They don't look much like an experiment — 14 men and women from the Phillipsburg-Osceola Mills area who come to work in a brown-and-beige van with curtains in the rear.

But, with the help of the University, these people are conducting an experiment in van-pooling — cooperative transportation for the many Penn State employees who must commute to work.

Taking a cue from several private firms in Centre County, as well as the county government in Bellefonte, a University subcommittee looked at several van-pooling systems around the country before deciding to audition one in the Office of Physical Plant, according to Jerry A. Boyles, manager of Personnel and Training for OPP.

A departmental survey uncovered plenty of interest in van-pooling, and 14 participants were chosen for the prototype employee-operated van-pool.

"We wanted to start with the Phillipsburg area to see if the van-pool could provide economical, dependable transportation for employees who live in the same area," Mr. Boyles says. "Another factor was putting together a group who lived in as much of a straight line as possible, minimizing incidental mileage and time loss."

"The rates are based on the actual miles that the van travels," Mr. Boyles continues. "Everyone pays the same amount, whether they're the first or last off the bus. We found that, this way, we could offer rates as cheap as — and in some cases, cheaper than — employees were paying for their carpools."

"And it beats driving yourself 30 miles to work."

Under the Penn State system, he explains, "the University acquired a van, and literally turned it over to the pool. They're responsible for maintenance, gas and cleanliness." Van payments, insurance, registration and all other costs are included in a weekly fee.

"The van is paid for at no cost to the University," Mr. Boyles stresses. "We front the capital, so it costs the University no more than the use of the money. The van, which is very well equipped, can be traded in after three years."

For little more than \$11 each week, riders are driven to and from work by one of their number elected as driver. The driver keeps the van at his home, and is responsible for collecting fees and securing maintenance and gas. In return, he or she rides for free.

The fees are collected by the driver, recorded and turned over (minus gas expenses) to Dorothy J. Lyons, personnel and training specialist with the Office of Physical Plant. Ms. Lyons, who assists and advises the group, deposits the money with Fleet Services.

After van payments and other costs are subtracted, a growing contingency account remains with Fleet Services to meet major repair bills, buy new tires or other expenses.

Ms. Lyons says that, except for the receipts and mileage records that the driver turns in, the vanpool is autonomous.

"All the costs for running the pool go back to them, so they're interested in saving any expenses they can," she points out. "When they were calculating the route, several people agreed to walk a couple of blocks to pick-up points to cut the van's mileage. And they shop around for the best gasoline prices."

"They've set up their own procedures and rules, and they seem to work very

well. They've established a no-smoking rule in the van, and they even bought their own curtains."

One fringe benefit of the experiment is the camaraderie and friendship the riders share. Ms. Lyons says that "it really surprised us. We thought that when you throw 15 people together, you might have a lot of problems. But everyone gets along very well; we've had no problems."

Andrew Felix, who drives the approximately 66.5-mile round trip every day, says "They're all nice passengers; I used to drive a school bus, and this has that all skinned. I couldn't be better."

Helen Wilks says that the best part of the van pool is that "we don't drive; we just sit back and relax."

"The price is very reasonable; I couldn't drive myself for that, and it saves wear and tear on our car all winter," says Mary Imperial.

"We're very appreciative of the University for giving us this opportunity," says Don Oswalt. "This is a good group of people, and there are lots more

interested in riding vans. If someone's off for a week, the van's open for substitutions. It's not just for us; it's for everyone."

"Some of us sing, some of us talk and some snore," says Michael Temo of the trip home, "and the next thing you know, we're home. This experiment is very much a success; we recommend it for everyone."

The experiment was expanded when, shortly before Thanksgiving, a second vanpool started up in Munson (in the Phillipsburg-Clearfield area). Under the auspices of Housing and Food Services, employees from Pattee Library, Shields Building, Mineral Industries Building and other locations are testing the vanpooling waters.

"Employees' reactions seem to be very positive so far," says coordinator Linda L. Kopp, personnel assistant for Housing and Food Services. "We picked up some guidelines from the other vanpool, but otherwise it's theirs to work out for themselves."



Participants in the Office of Physical Plant's experimental vanpool are left to right: Sophie Miller, Edward Koern, John Kopchik, Lucille Coleman, Michael Dancho, Lenora Dobish, Michael Temo, Mary Imperial, Betty Felix, John Sharpless, Helen Wilks, Chester Warnovik, Harold Dean, Andrew Felix.

12,000 job applicants interview yearly in Employment Division

Almost most visitors to University Park head for Rec Hall, Eisenhower Auditorium or the HUB, a significant number of campus guests visit a lesser known building: Willard.

Willard is where the University's Employment Division is located, and according to division manager Robert L. Kidder, it is a busy place.

"During a typical year," Mr. Kidder says, "our employment specialists interview more than 12,000 job applicants and process more than 8,000 University employee bids for vacant positions."

The Employment Division, he explains, is responsible for assisting all of the University's Colleges and administrative units in filling all levels of staff exempt, staff non-exempt, clerical and technical service position vacancies — a total of some 2,200 full-time vacancies per year. A large portion of these are filled from within.

"The University is committed to giving its employees opportunities for promotion," Mr. Kidder notes, "and we have an active and healthy record of promotion from within."

The Division handles the University's internal position vacancy announcement programs and also coordinates external

recruitment, applicant interviewing and pre-employment background and reference checks. It maintains applicant and employee records, offers counseling to employees about employment matters and assists with development of personnel-related policies.

When requested, the Division coordinates recruitment activities for academic and executive search committees, lending its expertise in matters of advertising, recruiting resources and affirmative action.

On an annual basis, Mr. Kidder observes, the Division will receive — and process — more than 7,000 pieces of incoming correspondence and receive more than 20,000 incoming telephone calls related to University employment.

"During the course of a year," he notes, "we calculate that we have a total of about 48,000 contacts from employment seekers and employee bidders."

An important aspect of the Division's operation, Mr. Kidder says, is its assistance to administrative officers in assuring compliance with State and federal laws and regulations related to employment, equal opportunity and affirmative action.

Another major function is related to the

University's unemployment compensation program.

"The Division provides assistance to employees who qualify for unemployment compensation, but it also assures that payment is not made for unwarranted claims," Mr. Kidder comments. "A great deal of time and effort is spent processing claim forms, attending hearings and meeting with faculty and staff members to

explain the provisions of the unemployment compensation laws."

Calling the Division's work "varied, complex and demanding," Mr. Kidder says that he and his staff are dedicated "to trying to match the right persons to the positions we have open, and to being fair to outside applicants and our employees who are seeking to advance themselves."

Correspondence course wins top award

"Community Noise Fundamentals," a non-credit correspondence course created at the University, has won a top honor from the National University Continuing Education Association.

The independent study, non-credit version of the course — which also is offered for credit — was honored by the Association's Division of Independent Study for having "one of the best study guides and training manuals produced during the past calendar year."

Paul D. Michael, professor of environmental acoustics, served as senior author.

"Perhaps the most significant aspect of the course," says Dr. Michael, "is that 55

of the 75 persons enrolled in it are being sponsored by the Environmental Protection Agency."

EPA's Office of Noise Abatement and Control, he adds, contracted with Penn State to develop the course several years ago.

Serving as co-authors of the 260-page manual and training guide were six other researchers: Gordon R. Bienvenue, research associate in audiology; J.H. Prout, associate professor of engineering research; R.L. Kerlin, research associate in acoustics; W.J. Achor, professor at Western Maryland College; and two former Penn State students, D.M. Dejoy and A.H. Kohut.

Kingsley Davis lecture sponsored by Graduate School

Dr. Kingsley Davis, senior research fellow at the Hoover Institution and Distinguished Professor of Sociology at the University of Southern California, will speak on "Demographic Foundations of the New Sex Roles" Tuesday, April 6, at 7:30 p.m. in Room 112 Kern.

The lecture is sponsored by The Graduate School.

Dr. Davis, a member of the National Academy of Sciences, taught at Penn State from 1936-42 and also served as acting head of the newborn Department of Sociology.

Widely known for his studies of population problems in all parts of the world, Dr. Davis coined the phrase "zero population growth." His research interests have encompassed the history and theory of international migration, world urbanization, population growth and economic development and population policy.

He has been one of the chief exponents of the use of incentives in fertility control policies and has served as a consultant on population policies and demographic information in India, Nepal, Bahrain and Latin American countries.

Dr. Davis's books include *The Population of India and Pakistan*, *World Urbanization* (two volumes), and *Cities: Their Origin, Growth and Human Impact*. He is editor of *Studies in Population and Urban Demography*, which now includes some 18 volumes.

After graduating from the University of Texas, Dr. Davis earned his Ph.D. at Harvard. He subsequently taught at Penn State, Princeton, Columbia and the University of California at Berkeley. He is Emeritus Ford Professor of Sociology and Comparative Studies at Berkeley.

Dr. Davis's Graduate School lecture is part of a two-day visit to the University on April 5-6. Sponsoring his visit are the Population Issues Research Group, the Division of Individual and Family Studies, the Department of Sociology, the Department of Rural Sociology and the Graduate School.

Dr. Davis will spend much of his time meeting informally with graduate students and faculty members from sponsoring academic units. He will present a graduate seminar on "Demography and Welfare Under Conditions of Growing Scarcity" Tuesday, April 6, at 11 a.m. in Room 112 Kern.

Rutgers' chorus will sing with Glee Club

The Queen's Choral of Rutgers University will travel to University Park to join the Penn State Glee Club for a concert Sunday, April 4, at 3 p.m. in the Music Building recital hall.

Highlighting the program will be the *Requiem* by Gabriel Faure, with featured baritone soloist Joj Westa, the University's chamber orchestra Musica da Camera and other assisting artists from the School of Music. In addition to the *Requiem*, several other choral works will be performed by both groups.

The Penn State Glee Club is directed by Bruce Trinklein, an associate professor of music. Frederic Ford conducts the Queen's Choral.

White Golf Shop open

The White Golf Shop is now open, and applications are available for season memberships. More information can be obtained at 865-6231.

Late April opening possible for HUB Terrace Room bookstore

Although the sign outside still proclaims, "The Terrace Room," conversion of the former cafeteria into the Penn State Bookstore has progressed to the point where a late April opening is possible.

The spacious, well lighted new facility will house the textbook division now located in McAllister Building and the two bookstore units already in the HUB.

Entrance to the bookstore will be through the two staircases which led to The Terrace Room. Visitors will enter a lobby which will contain a bank and a convenience store, selling magazines, newspapers, notebooks and the like.

The new bookstore will have a much larger textbook area than the one currently in use at McAllister, so general reading books will not have to be packed away at the beginning of each term to accommodate the heavy volume of textbook business.

The east side of the former Terrace Room will be devoted to the trade book section, according to Elizabeth K. Wilson,

promotion specialist. Input will be sought from faculty members to determine the kind of supplementary reading materials the bookstore should carry. The bookstore also hopes to devote space to displaying books written by University faculty members and to those published by Penn State's Press. The establishment of a good special order department is another goal, Ms. Wilson points out.

The general section of the store will house general student and office supplies — the contents of the current ground floor HUB store. Alongside will be Penn State clothing souvenirs and an area for class ring promotion. Special materials for arts students and engineers will be available in the western end of the facility, along with photographic supplies.

By the end of this month, books and supplies should actually start moving into the store, Ms. Wilson says, adding that space allocations are flexible, and bookstore managers will welcome suggestions from customers.

Women's Studies to hold colloquium

Women in literature and career-psychology topics will be explored by members of the University's faculty and staff and by graduate students in a Women's Studies Colloquium on Tuesday, April 6, in Room 225 HUB.

The day-long colloquium, sponsored by the Women's Studies Program, will begin at 9:30 a.m. with a keynote address by Thereza Halliday-Levy on "Women in Brazilian Cultural Life." Ms. Halliday-Levy is a behavioral sciences instructor at the Federal Rural University of Pernambuco, Brazil. She is on leave this year to pursue her doctorate in public community at the University of Maryland.

Dr. Linda K. Rambler, senior assistant librarian in research and standards at Pattee Library, will speak at noon on "Research Resources for Women's Studies." Interested persons are invited to bring their own lunch; if they wish to have lunch provided for them, they may call Freida S. Rozen, instructor in labor studies, at 865-5425.

A morning session, devoted to literary topics, will begin at 10 a.m. and end at noon. An afternoon session, on career-psychology topics, will be held from 1 to 3 p.m. The public is invited to attend any or all of the presentations.

Speakers for the morning session, in order of appearance, are:

— Bianca Rauch, graduate student in religious studies, on "Fredrika Bremer (1801-65, Sweden's first novelist and feminist): Her Years Visiting American Literary Figures."

— Dr. Judith L. Stephens, assistant professor of speech communication at Shuylkill, on "Why Marry?: The New Woman of 1918."

— Dr. Nancy M. Tischler, professor of English and humanities at Capitol, on Dorothy L. Sayers.

— Dr. Margaret M. Cote, assistant professor of English at Hazleton, on "The Ingenue in the Novels of John Fowles."

The afternoon session includes: — Wendy S. Becker and Dawn Taylor, graduate students in psychology, on "Women's Friendships: A Developmental Perspective."

— Anna D. Weitz, graduate student in counselor education, on "Life-span Issues in Women's Career Development."

— Pat Dunkelberger, staff assistant to the associate dean for the Commonwealth Educational System, College of the Liberal Arts, on "The Non-Traditional Woman Student and the University."

— Dr. Susan F. Weis, associate professor of home economics education, on "Turning Homemaking Skills to Profit: Elements Influencing Home-Based Entrepreneurship."

AV Services has new films, videotapes

Audio Visual Services has recently acquired a number of films and videotapes in response to requests from faculty members in such disciplines as art, architecture, American studies, journalism, comparative literature, women's studies and labor studies. These materials are not listed in Audio Visual Services' subject area catalogs or in the Alphabetical Listing of Films and Videocassettes because their circulation is restricted to instructional programs within the Penn State system.

Titles and order numbers follow: "The Bridge that Spanned the World" (MVC5-0983), "Doctor, I Want..." (MVC5-1005), "From Both Ends of the Stethoscope" (MVC5-0993), "Growing Up Remale" (C-50563), "The Jolo Serpent-Handlers" (C-50567), "Killing Us Softly: Advertising's Image of Women" (C-33337), "The Laryngeal Image During Phonation" (MVC5-1001), "The Legacy: Children of the Holocaust Survivors"

(C-33319), "Looking for Renaissance Rome" (C-33329), "Memories of Berlin: The Twilight of Weimar Culture" (C-60301), "Men's Lives" (C-40351), "The Odyssey Tapes" (MVC5-0995), "Palladio, The Architect and His Influence in America" (C-50560), "A Panel on the Human Voice" (MVC5-1002), "The Police Tapes" (MVC5-0996), "Post Partum Physical Assessment" (MVC5-0997), "The Regulatory Mechanism of Voice in Singing" (MVC5-1003), "Six O'Clock and All's Well" (C-50559), "They Are Their Own Gifts" (C-50566), "Vocal Cord Vibration" (MVC5-1000), "We're Moving Up! The Hispanic Migration" (MVC5-0992), "The Willmar 8" (C-50554), "With Babies and Banners: Story of the Women's Emergency Brigade" (C-40352), and "Word Is Out" (C-50562).

To obtain more information about these films and tapes, call 863-3103.

To schedule them for classroom use, call 865-6314.

'Negro Renaissance' art show features Bearden, Lawrence

Beginning Sunday, April 4 and continuing through April 30, selected prints of the works of Romare Bearden and Jacob Lawrence will be exhibited at the HUB Gallery.

Romare Bearden and Jacob Lawrence are distinctly American artists, who are products of the "Negro Renaissance" — that period of intellectual and cultural ferment of the 1930s in Harlem.

Both painters are masters of design and the use of color. Bearden collages are charged with the spirit of improvisation — the creator taking the materials at hand and making something new and fresh. Lawrence, though a thoroughly trained artist, is concerned with simplification that is frequently seen in the works of non-professionals. He seems to be interested not in perfect form but in perfect distortion. His work is tough and unsentimental, but with intense color.

The exhibit is sponsored by the annual Black Arts Festival, and the public is invited to attend an opening reception on April 4 at 3 p.m. in the HUB Gallery Lounge.

Medievalists visit



Professor Constable

(Continued from page 1) medieval historian, will be the principal lecturer during Medieval Studies Week, April 6-8. Professor Constable, who has spent most of his academic career at Harvard, has also been an overseas fellow at Churchill College, Cambridge University.

He will deliver three lectures during his stay at Penn State, the first one at the Comparative Literature Luncheon on Tuesday, April 6, at 12:15 p.m. in Room 204 HUB. His topic will be "Religious Continuity of the High and Middle Ages." At 3:30 p.m. that same afternoon, he will speak on "Transitions in Religious Life and Institutions in the Twelfth Century" in the Rare Books Room.

On Wednesday, April 7, at the Medieval Studies Banquet in the Maple Room, Professor Constable will speak on the "Impact of the Middle Ages." This dinner, which is open to the public, will feature authentic medieval food appropriate to the season. Reservations for the banquet may be made by calling 865-5481 before Monday, April 5. "The Music for a Chury Office of Saint Benedict" will be the topic of Ruth Steiner, of the School of Music at the Catholic University of America. An authority in the field of medieval liturgical music, Professor Steiner will talk on Thursday, April 8, at 1 p.m. in the Music Building recital hall.

Religious institutions in the East is the field of John Meyendorff, of Saint Vladimir's Orthodox Seminary and professor of Byzantine Studies at Fordham University. His talk on "Monastic Revival in Byzantium" is scheduled for April 20, at 4 p.m. in Room 124 Sparks. Professor Meyendorff is the author of numerous articles and books, the most recent of which is *Byzantium and the Rise of Russia*.

Jellicoe to give first Bracken Lecture Friday

Sir Geoffrey Jellicoe, an internationally prominent landscape architect, will become the University's first Bracken Lecturer on Friday, April 2, at 7:30 p.m. in Schwab Auditorium. He will speak on "Towards a Landscape of Humanism." The Bracken Lecture is part of the John R. Bracken Program Enrichment Fund, inaugurated by the Department of Landscape Architecture in honor of Dr. Bracken, who headed the department from 1926 until his retirement in 1957. He died at the age of 87 in 1979.

The fund, which includes a large gift from the Bracken estate, will provide not only for the annual Bracken Lecture, but also for other special activities "designed to enhance the academic quality of the professional degree program(s) of the Department of Landscape Architecture." Dr. Bracken received a B.S. degree from Penn State in 1914 in what was known then as "landscape gardening." He returned to the University in 1924 as the first Extension specialist in landscape architecture and became head of the department in 1926. He later earned master's and doctoral degrees at the University of Michigan.

Two-semester writing proposal advanced

A proposal for a two-semester writing requirement by the Department of English has been sent to the Curricular Affairs Committee of the University Faculty Senate.

The proposal, which is expected to provide a more intensive writing experience for students, recommends that one course in writing be taken in the freshman year and that another course be taken in the second half of the sophomore year or later.

After consideration by the Curricular Affairs Committee, the recommendation will again be reviewed by the President and the Provost.

Dancers to premiere two works at concert

The Contemporary Dance Company will present concerts on Friday and Saturday, April 2 and 3, at 8:30 p.m. in Eisenhower Auditorium. Two new works and four pieces from the company's repertoire, ranging in style from classic modern dance to absurd theatrics, comprise the program.

Co-directors Patricia Heigel-Tanner and Paula Donahoe, assistant professors of physical education, are joined by three guest choreographers — Laurie Boyd, assistant professor of theatre arts, and Peggy Moses and Kathy Short, of the College of Health, Physical Education and Recreation.

Tickets for the performance are on sale at the Eisenhower Box Office and will also be available at the door.

Robeson print show features 24 artists

The prints of 24 artists who live and work from one coast of the United States to the other, are on exhibit at the Paul Robeson Cultural Center's Gallery through April 21 under the title of "25 Approaches To Contemporary Printmaking."

The artists all have been connected and influenced by the Printmaking Workshop founded in New York City by Bob Blackburn in 1949. The Workshop has served as a continued source of support for the artistic community of the city, maintaining the environment necessary for the artist-printmaker.

Student aid cuts

(Continued from page 2)

No Loans For Graduate Students

Graduate students would no longer be eligible for the GSL program. Some 600,000 graduate students — over half of graduate enrollments — now depend on the GSL to finance their education. A majority of them may be unable to continue their education if the GSL recommendations are adopted.

At Penn State, approximately 1,100 graduate students currently receive GSL loans totaling \$3.85 million. The percentage of students borrowing under the GSL program ranges from seven percent in the College of Science to 47 percent in the College of Business Administration.

At The Milton S. Hensley Medical Center, 74 percent of the medical students are receiving GSL loans totaling \$1.47 million.

Without a strong federal role in assisting promising students to further their studies, the supply of students may diminish in quantity and quality. Many graduate schools already

are facing a diminishing pool of qualified applicants.

Student aid cuts of the magnitude proposed in the Reagan budget would force many students to drop out of school, while prospective students may find that college is no longer an attainable goal.

The Economic Impact

Higher education institutions may be faced with declining enrollments and retention problems, all of which have a direct impact on the state's economy.

For every \$1 "invested" — from all public and private sources — higher education institutions returned \$1.70 to Pennsylvania's economy in 1979-80. The net contribution was \$1.7 billion. With nearly 102,000 faculty and staff employees, higher education as an employer ranks 13th in the state — well ahead of some industries traditionally regarded as dominant sectors in Pennsylvania's economy.

Spending related to higher education creates an additional 74,876 jobs statewide. The number of higher education-related jobs thus totals 177,432 — accounting for one of

every 27 persons employed in Pennsylvania.

Higher education generates payrolls of nearly \$2.5 billion, most of which is poured back into the state's economy.

Reagan budget proposals would undoubtedly have a direct negative economic impact on every community in which a Penn State campus is located.

Higher Education's Position

The position of the Pennsylvania Association of Colleges and Universities is that further budget cuts would deny educational opportunities to thousands of people from low- and middle-income families. Its members, including Penn State, are therefore opposed to the cuts for student aid proposed in the Federal budget.

Higher education wants student aid to remain at the Omnibus Reconciliation Act agreement levels, included in this year's budget. It should be noted that, in the current Federal budget, student aid was cut by 12 percent, while most other federal programs were reduced only 4 percent.

Prizewinning pianist to perform April 7



Pianist Cecile Licad will perform the final performance in the Artists Series Young Prizewinners series. She will perform Wednesday, April 7, at 8:30 p.m. in

Schwab Auditorium.

The 19-year-old pianist won the Leventritt Foundation's Gold Medal Award in January 1981, the first time in 70 years this coveted prize was given.

Since then, she has appeared with the New York Philharmonic, the Boston, Chicago and Cincinnati Symphonies, the Cleveland Orchestra and the Los Angeles Philharmonic, as well as with a number of other orchestras both in this country and abroad.

Born in Manila, she studied at the Curtis Institute with Rudolf Serkin.

For her appearance at Penn State, she will present works by Ravel, Beethoven and Chopin. Tickets go on sale Monday, April 5, at the Eisenhower Auditorium box office, 9 a.m. to 4 p.m. The HUB Booth will be open the first day of the sale. Phone orders on MasterCard/Visa will be accepted at 863-0255.

Cholesterol metabolism is lecture subject

Dr. DeWitt S. Goodman, professor of preventive medicine at Columbia University, will present a lecture in the HUB Auditorium on Monday, April 5, at 7:30 p.m.

Dr. Goodman, who also serves as director of the Division of Metabolism and Nutrition at Columbia-Presbyterian Medical Center, will speak on "Cholesterol Metabolism in Man."

The public is invited to attend the lecture and a reception to follow.

Dr. Goodman will be visiting the University for two days, April 5 and 6, under auspices of the Wellcome Visiting Professorship in Basic Medical Sciences, sponsored by the Burroughs Wellcome Fund.

In addition to presenting his lecture, Dr. Goodman will conduct informal workshops with students and faculty members in human and animal nutrition programs. The workshops — on "Vitamin A," "Cholesterol" and "Grantmanship" — also are open to other interested persons, who may contact the Nutrition Office at 863-0772 for additional information.

A nationally known researcher in Vitamin A and lipids, Dr. Goodman is on the board of directors of the American Heart Association. He has published scholarly articles in an extensive array of professional and scientific journals and he is on the editorial boards of a number of journals.

Donkas Farkas, assistant professor of linguistics and French, "Subjective Complements in Romanian"; and Dr. Pierre Cintas, assistant professor of French at Ogoniz, "Formal Representations of Some Values of the French Present Tense."

Sculptor exhibits

An exhibition by Glenn Zweygardt, an associate professor of sculpture in the New York State College of Ceramics at Alfred University, is on display in the Zeller Gallery through April 4.

Mr. Zweygardt works with mixed media, combining porcelain enamel and steel, stainless steel and granite and steel and ceramic in his works.

Press books

(Continued from page 4)

Eliot said: "The poet's mind is in fact a receptacle for seizing and storing up numberless feelings, phrases, images, which remain there until all the particles which can unite to form a new compound are present together."

In Professor Ungar's words: "What we have . . . is a dynamics of correspondence by which a variety of sources becomes both a confluence and an influence." He goes on to demonstrate how extensive some of Eliot's roots are in his immediate past and also how deeply these roots go back through our entire literary heritage. The book ends with a plea to avoid treating the study of literature as a "system of ideas which is considered conclusive and exhaustive."

The Rejected: Psychological Consequences of Parental Rejection. By John J. Evoy. 259 pages, \$18.75.

The first comprehensive work on the psychological aftermaths of parental rejection, this book was prompted by the author's conclusion, after three decades of clinical practice, that "the experiences and behaviors of the rejected . . . seemed to be the most frequently reported clinical phenomena." Dr. Evoy further concluded that there is an "integral panoply" of feelings and behaviors that characterize only the rejected, and the book identifies this behavioral and affective array.

An emeritus professor at Gonzaga University, the author has designed the book for use by professional colleagues, but because of the widespread concern about the damage caused by parental rejection, he writes in language that can be understood by laypersons. After establishing the norms of parental rejection, both active and passive, the book examines various elements in a rejected individual's feelings and behaviors.

Bus tours starting

The London Double Decker Tour bus will begin its 1982 schedule Monday, April 5, offering guided tours of central campus. Tours are conducted weekdays throughout the spring and summer.

The 1:30 p.m. tour departs from the HUB, and tickets can be purchased at the HUB desk this year, for the first time, the 2:30 p.m. tour will depart from Shields for the convenience of prospective students and their families visiting campus. Tickets for the second run can be purchased at the Admissions Office.

Members of the faculty, staff and student body, as well as campus visitors, are invited to take the tour, which includes commentary by trained University guides. Special tours can be arranged through the Campus Relations Office, Room 301 Old Main (865-2501).

University Park Calendar

April 11 Special Events

Thursday, April 1

Commons Erikson Gallery Print Sale, 10 a.m.-4 p.m., Kern Lobby. Also April 2, Linguistics Symposium, 8 p.m., Keller, Maurice Gross, Univ. of Paris, on "Building Lexicon-Grammars for Romance Languages." Kern Classics, Hot Rock, 7 and 9 p.m., 112 Kern. New German Cinema, Hauff, *Knife in the Hand*, 7 and 9 p.m., HUB Assembly Room. Museum of Art film, *The Fallacies of Hope*, 7 p.m., First Floor Gallery. Sports: lacrosse (women) vs. Towson State, 3:30 p.m.

Friday, April 2

Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. Peter Haggert, Univ. of Bristol, on "A Geographer Looks at Epidemics." Linguistics Symposium, 6 p.m., Keller, James Harris, M.I.T., on "Theories of Phonological Representation and Nasal Consonants in Spanish." Bracken lecture, 7:30 p.m., Schwab. Sir Geoffrey Jellicoe, landscape architect, on "Towards a Landscape of Humanism." Commonsplace Theatre, *The French Lieutenant's Woman*, 7 and 9:35 p.m., 112 Kern. Also April 3. Cinematheque, Sunday, *Bloody Sunday*, 7 and 9:15 p.m., 121 Sparks. Also April 3. GSA Coffeehouse, 8 p.m., 102 Kern. Contemporary Dance Company, 8:30 p.m., Eisenhower Auditorium. Also April 3. Sports: tennis (women) vs. Brown, 2 p.m.

Saturday, April 3

Deadline for May graduates to deliver doctoral theses to committees. France-Cinema, Kury's, *Peppermint Soda*, 7 and 9 p.m., 112 Kern. Also April 5. Sports: baseball vs. Rutgers (DH), 1 p.m.; lacrosse (men) vs. Ohio State, 2 p.m.; volleyball (men) vs. Rutgers-Newark, 7 p.m.

Sunday, April 4

Penn State Glee Club and Queen's Choral, Rutgers Univ., concert, 3 p.m., Music Bldg. recital hall.

Sports: baseball vs. Mansfield (DH), 1 p.m.

Monday, April 5

HUB Craft Center, registration for second session classes, noon-5 p.m., 312 HUB. Nutrition workshop on Lipoprotein and Cholesterol Metabolism, 9:30-11 a.m., 223 Henderson Human Development. Moderator: DeWitt S. Goodman, Columbia Univ.

Second Brazilian Film Fest, *Ganga Zumba*, 12:30 p.m., Kern Auditorium; *Gaijin: A Brazilian Odyssey*, 8 p.m., Eisenhower Auditorium. London Bus tours begin, 1:30 p.m., HUB Main Entrance, 2:30 p.m., Shields Bldg.

Sports: lacrosse (women) vs. Ohio Univ., 3 p.m.

Nutrition, Burroughs Wellcome lecture in the Basic Medicine Series, 7:30-9 p.m., HUB Auditorium. DeWitt S. Goodman, Columbia Univ., on "Cholesterol Metabolism in Man."

Tuesday, April 6

Commons Easter Plant Sale, 10 a.m.-4 p.m., Kern Lobby. Also April 7. Nutrition lecture, 9:35-11 a.m., 108 Henderson Human Development. DeWitt S. Goodman, Columbia Univ., on "Successful Grantsmanship and the Current State of Federal Funding for Basic Science Research"; 2:35-5 p.m., "Vitamin A and Retinoids - Recent Advances." Women's Studies Colloquium, 10 a.m.-3 p.m., 225 HUB. Speakers: Anna Weitz, Susan Welch, Nancy Tischler, Margaret Cote, Pat Dunsdabarger, Judith Steiner, Wendy Becker, Dawn Taylor, Linda Rambler and Bianca Rauch.

Graduate School lecture, 11 a.m., 112 Kern. Kingsley Davis, Hoover Inst. and Univ. of Southern California, on "Demography and Welfare Under Conditions of Growing Scarcity."

Lutheran Council for Campus Ministry, "Bach's Lunch," featuring Eric Retter, noon, Eisenhower Chapel.

Comp. Lit. Luncheon, 12:15 p.m., 204 HUB. Giles Constable, Dumbarton Oaks, on "Religious Continuity of the High and Late Middle Ages."

University Faculty Senate meeting, 2:10 p.m., 112 Kern.

Two award-winning films will highlight the second Brazilian Film Fest next week

Two new films, *Pixote*, honored by the New York and Los Angeles Film Critics as the Best Foreign Film of this year, and *Gaijin*. A Brazilian *Odyssey*, winner of France's prestigious Georges Sadoul Prize for the Best First Feature, will highlight the second Brazilian Film Fest sponsored by Audio Visual Services.

Gaijin (which means "foreigner") will open the Festival Monday, April 5, at 8 p.m. in Eisenhower Auditorium. Describing the life of the Japanese immigrants who came to work on Brazilian coffee plantations at the turn of the century, the film was directed by Tizuka Yamasaki, who drew on the experiences of her grandmother who immigrated to Brazil in 1908.

Pixote (which is pronounced "Pee-shoot") and roughly translates as "Peewee" records the unsentimental education of a nine-year-old street boy of Sao Paulo as he learns how to snatch purses, roll drunks, deal in drugs and finally murder. Directed by Hector Babenco, *Pixote* will be shown Tuesday, April 6, at 8 p.m. in Eisenhower.

Also included in the Brazilian Film Fest is Carlos Diegues' important film, *Ganga Zumba*, a depiction of the first American slave revolt, which occurred in Brazil in 1641. It will be shown April 5 at 12:30.

Sports: softball vs. West Chester, 2:30 p.m.

Nutrition workshop on Vitamin A Metabolism, 3:15-4:30 p.m., 108 Henderson Human Development. Moderator: DeWitt S. Goodman, Columbia Univ.

Medieval Studies lecture, 3:30 p.m., Rare Books Room, Pattee. Giles Constable, Dumbarton Oaks, on "Transitions in Religious Life and Institutions in the Twelfth Century."

Graduate School lecture, 7:30 p.m., 112 Kern.

Kingsley Davis on "Demographic Foundations of the New Sex Roles."

Microcomputer Users Group meeting, 7:30 p.m., 189 Materials Research Lab. Second Brazilian Film Fest, *Pixote*, 8 p.m., Eisenhower Auditorium.

Wednesday, April 7

Sports: lacrosse (men) vs. Towson State, 3 p.m. Medieval Studies Banquet, 5:30 p.m., Maple Room. Speaker, Giles Constable, on "Impact of the Middle Ages." Reservations: 865-5481. Artists Series, Cecile Licad, pianist, 8:30 p.m., Schwab.

Thursday, April 8

Medieval Studies lecture, 1 p.m., Music Bldg. recital hall. Ruth Steiner, Catholic Univ., on "The Music for a Cluny Office of Saint Benedict."

Sports: baseball vs. Lock Haven (DH), 1:30 p.m. Kern Classics, *My Fair Lady*, 8 p.m., 112 Kern. New German Cinema, Brandler, *I Love You, I Kill You*, 7 and 9 p.m., HUB Assembly Room. Also April 9.

Penn State Dames meeting, 7:30 p.m., 101 Kern.

Friday, April 9

Geography Dept. Coffee Hour, 3:40 p.m., 119 Walker. Marc Treib, prof. of architecture, UC-Berkeley, on "Mapping Experience." Cinematheque, *Yojimbo*, 7 and 9:15 p.m., 121 Sparks. Also April 10. GSA Coffeehouse, 8 p.m., 112 Kern. Shaver's Creek Environmental Center, Gordon Bok Concert, 8 p.m., Faculty Club.

Saturday, April 10

Deadline for final oral doctoral examinations for May graduates.

Deadline for May graduates to deliver master's theses or papers to advisers.

Sports: tennis (men) vs. East Stroudsburg, Mercersburg and Rochester. Also April 11.

Sunday, April 11

Sports: baseball vs. Howard (DH), 1 p.m.



"Gaijin: A Brazilian Odyssey"

p.m. in Kern Auditorium.

Admission to the films is free. Co-sponsors of the Festival are the Black Studies Program, Department of Political Science, Latin American Studies, International Students Association, the Student Film Organization and the Telecommunications Project of the Americas.

Seminars

Thursday, April 1

Anthropology, 3:30 p.m., 107 Carpenter. Michele Hayward on "Linkage of Colonial Mexican Parish Records."

Physics, 3:30 p.m., 117 Osmond. M. Dwyden, SUNY, on "H.A. Kramers and Quantum Theory."

Math, 4 p.m., 102 McAllister. Joseph J. Kohn, Princeton Univ., on "The Tangential Cauchy-Riemann Equations."

Friday, April 2

Industrial and Management Systems Engineering, 4 p.m., 216 Hammond. Thomas Armstrong, Univ. of Michigan, on "Cumulative Trauma Disorders in Manual Work."

Monday, April 5

Entomology, 3:40 p.m., 204 Patterson. Ian Weatherall, Albany International. Needham Heights, MA., on "Problems and Strategies in the Development of Sex Pheromones as Control Agents against Pest Species."

MCBI, 4 p.m., 101 Althouse. Dr. Ann Kennedy, Lab. of Radiobiology, Harvard Univ., on "Factors Affecting the Induction of Malignant Transformation *in vitro* by Radiation."

Tuesday, April 6

Materials Science, 9:45 a.m., 301 Steidle. Dr.

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A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

H.W. Pickering, metallurgy, on "An Introduction to Atom-Probe Field-Ion Microscopy." 3:45 p.m., 22 Deike. Frank Dachille, geosciences, on "The Planets: Why They Are, What They Are, Where They Are." 4 p.m.

More
Plant Pathology, 3:45 p.m., 213 Buckhout. Jean Robert Pelletier on "Bassa - Classic - 10." Computation Center, Basic, 7:30 p.m., 112 Walker. Also April 8, 13, 15.

Thursday, April 8

Applied Research, 10 a.m., Water Tunnel conference room. F.B. Gessner, Univ. of Washington, on "Experimental Studies and Modeling of Turbulent Corner Flows." Chemistry, 12:45 p.m., 333 Whitmore. Andre Drieding, Univ. of Zurich, on "A Computer Fit Model for Chemical Structures." Aerospace Engineering, 1:15 p.m., 210 Hammond. F.B. Gessner, Univ. of Washington, on "A Method of Flow Field Determination for Moderately Skewed Three-Dimensional Flows." Physics, 3:50 p.m., 117 Osmond. J. Krumhaldt, Cornell Univ., on "Non-Linear Behavior; the Old and the New in Physics." Math, 4 p.m., 102 McAllister. Pesi Masani, Univ. of Pittsburgh, on "Propagators and Dilemmas." Philosophy, 4 p.m., 101 Kern. Frank Kirkland on "Coherence and Correspondence: Concept of Truth in Kant and Hegel."

Exhibits

Chambers Gallery: Juried Undergraduate Photo Show.

HUB Gallery: Prints by Romare Bearden and Jacob Lawrence, opens April 4.

Kern Gallery: Slavic Arts and Antiquities, opens April 5. Constantine Kermes, paintings and prints, opens April 5.

Museum of Art: Photographs from the Museum's Collection.

Director's Choice, Selected works from the Museum's Collection. Sculpture and Sculptural Objects from the Museum's Collection, opens April 4.

Pattee Library: Rare Books Room: Vergil: 200 Years, through April 5; Goethe: The Fortunes of Faust.

East Corridor Gallery: Prints from the collection of the Arts Library, through April 6; Ed Leos, photographs, "Dorothy Roberts and her Poetry," opens April 6.

Main Lobby and Second Floor, East Pattee: A Tribute to Natalie Wood, through April 6; Morgan Paine, paintings, opens April 9. Lending Services Lobby: Judy Stern, portraits, through April 9; David Vaughan, photographs by the sea, opens April 9.

West Pattee Lobby: Allyson Lush, paintings, prints and drawings.

Paul Robeson Cultural Center: "Twenty Five Approaches to Contemporary Printmaking."

Visual Arts Bldg., Zoller Gallery: Glenn Zweygard, Alfred University, sculpture, through April 4; Dave Harmon and Paul Flexner, paintings, opens April 7.

Penn State Intercom



Daniel Koshland

Stanley Lathan

Howard Knuttgen

Walt Rostow

Bruce Murphy

Physiologist, director visit

Returning to University Park next week as Alumni Fellows are Howard G. Knuttgen of Boston and Stanley B. Lathan of Los Angeles.

Dr. Knuttgen, professor of physiology and chairman of the Department of Health Sciences at Boston University, received his master's degree at Penn State in 1953. A guest of the College of Health, Physical Education and Recreation, he will be on campus April 12 through 16.

Mr. Lathan, a 1967 alumnus, is a film and television director. As a guest of the College of the Liberal Arts, he will visit from April 13 through 16.

Dr. Knuttgen, who earned his doctorate at Ohio State, is an internationally-known exercise physiologist. He is currently the U.S. delegate to the International Federation of Sports Medicine and also serves as a member of the executive board of the Pan American Confederation of Sports Medicine.

One of the nation's foremost independent film and television directors, Mr. Lathan won an Emmy in 1970 for his work with "Black Journal," a magazine-format television program.

He also was the grand prize winner at the 1980 American Film Festival for his *The Sky is Grey*.

Mr. Lathan has directed eight concerts at Wolf Trap for PBS and segments of several long-running television series.

Nobel Laureate arrives April 12

Dr. Eugene P. Wigner, the 1963 Nobel Laureate in physics, will deliver two talks at University Park on Monday, April 12.

He will deliver a seminar at 3 p.m. in Room 445 Davey Lab at 3 p.m. on "The Principle of Determinism and its Relationship to the Quantum Mechanical Measurement Process." A reception at 2:30 p.m. will precede the seminar.

"The History of Nuclear Power: The Early Days" will be Dr. Wigner's topic at 7:30 p.m. the same evening, and he will speak in Room 112 Walter Building.

Dr. Wigner is Thomas D. Jones Emeritus Professor of Mathematical Physics at Princeton University. The holder of 21 honorary degrees, he has received the Atoms for Peace Award, the National Medal of Science and the Albert Einstein Award.

His visit is being sponsored by the Department of Physics, the American Nuclear Society and the Department of Nuclear Engineering.

Walt Rostow is Elliott speaker

Walt Whitman Rostow, national security affairs adviser to two U.S. presidents, will deliver the 1982 William Elliott lecture Wednesday, April 14, at 9:45 a.m. in Keller Auditorium.

Dr. Rostow's address, titled "A Prescription for the American Economy," will open the eighth annual William Elliott Invitational Conference, Wednesday and Thursday, April 14 and 15, in the College of Business Administration.

On Thursday, April 15, at 9 a.m., Gene P. Altschuler, principal of the management consulting department of Peat, Marwick, Mitchell & Company, will lead a discussion among conference participants.

The William Elliott Conference annually attracts senior executives of the insurance industry, its trade and professional associations and leading academicians in the field, according to CBA Dean Eugene J. Kelley.

Dr. Rostow is the Rev G. Baker Jr. Professor of Political Economy at the University of Texas, where he has been a faculty member for 13 years.

Before that, he served as special assistant for national security affairs to

President Johnson from 1966 to 1969. He was deputy special assistant for national security affairs to President Kennedy in 1961.

The recipient of the Order of the British Empire, the Legion of Merit and the Presidential Medal of Freedom, Dr. Rostow received his bachelor's and doctoral degrees from Yale University and attended Oxford University as a Rhodes Scholar.

Dr. Rostow is the author of 22 books or monographs, including *The Division of Europe after World War II: 1946*, which has just been published.

Dr. Rostow will lead a seminar session of conference participants from 2 p.m. until 4:30 p.m., Wednesday afternoon, following his public lecture.

Mr. Altschuler is in charge of his firm's Electronic Data Processing Advance Technology Group.

The annual spring conference at Penn State's College of Business Administration is named for William Elliott, consultant and former chairman of the Executive Committee of Philadelphia Life Insurance Company.

Murphy chosen for Honors talk

Bruce Allen Murphy, author of *The Brandeis-Frankfurter Connection: The Secret Political Activities of Two Supreme Court Justices*, will give the keynote address at the 1982 Honors Convocation Sunday, May 9, at 2 p.m. in Eisenhower Auditorium.

During the convocation, some 300 undergraduate students and four faculty members representing all Penn State campuses will be cited for academic excellence.

Dr. Murphy, 30, an assistant professor of political science at Penn State, will speak on "Penn State and the Ivy League Syndrome."

Dr. Murphy's book was published on Feb. 22 by Oxford University Press. It astounded the nation with evidence that Justice Louis D. Brandeis paid more than \$50,000 over a 22-year period to Felix Frankfurter, then a Harvard law professor, to further the Justice's public policy goals.

Heralded by *The New York Times*, *Newsweek*, *The Washington Post* and other major publications, the book has sparked a national debate on the ethics of extrajudicial behavior by Justices.

Dr. Murphy graduated summa cum laude in political science from the University of Massachusetts in 1973. He came to Penn State in 1978 after earning a doctorate at Virginia.

Faculty asked to return surveys

In keeping with the concern expressed for advising in *A Perspective on the '80s*, the Division of Undergraduate Studies is conducting an analysis of the University's undergraduate academic advising program.

The purpose of the analysis is to develop a comprehensive, objective and quantifiable description of the undergraduate academic advising program as it exists throughout the University.

Five constituencies in the University are being asked to provide survey data about academic advising for undergraduate students: faculty, college deans, Commonwealth Campus academic officers, selected department heads and selected students. Participation by faculty members is essential to the completeness of the analysis.

Faculty surveys were mailed during the first week in April. Faculty members are asked to return their completed surveys by April 15.

Biochemist to give Priestley Lectures

Dr. Daniel E. Koshland, Jr., professor of biochemistry at the University of California, Berkeley, will present the 1982 series of Priestley Lectures April 12, 13, 14 and 15 at 8 p.m. in Room 5 S Osmond Laboratory.

The lectures, entitled "The Chemistry of Sensing and Regulation," are sponsored by the Mu Chapter of Phi Lambda Upsilon chemistry honorary and the College of Science. Specific topics are: "The Receptors and Information Output," "Function of the Processing System," "The Detector and the Behavioral Output" and "The Potentialities and Limits of Signal Amplification."

Dr. Koshland is an authority on enzyme and protein structure. A member of the National Academy of Sciences, he is chairman of the Academy Forum, a committee of NAS which helps develop policy on issues posing dilemmas at the interface between science and societal problems. He is also a member of the American Academy of Arts and Sciences and served on its Council from 1975 to 1979.

Dr. Koshland, a Berkeley alumnus, earned his doctorate at the University of Chicago in 1949.



R.G. Forman

R.A. Zimmerman

Alumni boards to attend conference

Richard A. Zimmerman, president and chief operating officer of Hershey Food Corporation and president of the Penn State Alumni Association, will address a special conference for alumni at University Park on Friday, April 16.

Mr. Zimmerman, a 1953 Penn State graduate, will speak at a dinner meeting for members of the University's 10 college alumni societies' boards of directors.

Also speaking during the conference will be Dr. Robert G. Forman, executive director of the University of Michigan Alumni Association and former chairman of the board of CASE (Council for Advancement and Support of Education).

The conference will enable members of the college alumni societies' boards of

(Continued on page 2)

Penn Staters

Dr. Andrea M. Mastro, assistant professor of microbiology and cell biology, has received a Research Career Development Award from the National Cancer Institute of the National Institutes of Health. The five-year award will help support her research on the effects of tumor-promoting substances on lymphocytes, a type of white blood cell.

Dr. Mastro earned her M.S. in zoology (1968) and her Ph.D. in biology (1971) at Penn State after receiving a B.A. in biology at Carlow College. She did postdoctoral work at The Imperial Cancer Research Fund Laboratory in London and was a Damon Runyon Foundation Postdoctoral Fellow at the University of Wisconsin. She returned to the University in 1975 as a research associate, assuming her current position in 1979.

Dr. Gerard J. Brault, professor of French and Fellow, IAHS, delivered invited lectures at the University of Wisconsin on the topics, "The Impact of the Discovery of America on Renaissance France" and "How to Read a Chanson de Geste." He spoke also at the University of North Carolina-Chapel Hill on "Heraldry and Hunting: Two Ancillary Sciences in the Middle Ages."

The British Broadcasting Corporation's production of *Going Gently*, a novel by Robert C.S. Downs, professor of English, has been named "Best Television Film of 1981" by the British Academy of Film and Television Arts. Professor Downs is director of the writing program.

Dr. James S. Sims, assistant professor of chemistry at Mont Alto, is one of 30 scientists selected nationwide to participate in a 10-week Summer Faculty Fellowship at the Goddard Space Flight Center.

The fellowships are sponsored jointly by NASA and the American Society for Engineering Education. Recipients receive a weekly stipend and travel expenses while working at the Center on basic research problems connected with space flight. Dr. Sims' research deals with the measurement of energy transfer in the scattering of electrons off of hydrogen and helium atoms.

Dr. David L. Pearson, associate professor of biology, recently gave an invited lecture to the Entomological Society of Peru in Lima. He discussed "Insect Community Structure Studies in Tropical Forests."

Provost Edward D. Eddy will deliver a paper on "Academic Planning for Strength and Security" at the annual conference of the Chief Academic Officers of the Eastern States.

Paul West, professor of English and comparative literature and Fellow, IAHS, was recently Distinguished Visiting Writer in Residence at Wichita State University and gave readings there from his fiction. He also gave a reading at the Kendall College of Arts and Sciences at the University of Tulsa.

Dr. Gordon F. De Jong, professor of sociology and associate director of the Population Issues Research Center, presented lectures on "Micro-level Migration Theory: A New Model" at Florida State University and on "Childless But Not Choices: Longterm Consequences for Life Satisfaction" at the East-West Center, Honolulu, Hawaii.

Dr. Eugene N. Borza, professor of ancient history, gave a faculty seminar at the University of Texas at Austin on the subject of 19th century philhellenism and modern images of ancient Greece.

Dr. Christine M. Gregg, assistant professor of biology, recently gave an invited lecture to the Department of Pharmacology at Columbia University. She discussed "In Vitro Techniques for the Study of Vasopressin Release."

Dr. Peter Gould, professor of geography, presented a series of seminars at the Geographic Research Institute at the University of Lisbon during term break. His topic was contemporary methods of geographic research.

Dr. Joseph Jordan, professor of chemistry, recently chaired a review panel which evaluated graduate programs in chemistry at the City University of New York.

Bookshelf

Associate Provost Richard P. Chait is co-author with Andrew T. Ford of Allegheny College of *Beyond Traditional Tenure: Guide to Sound Policies and Practices* (Jossey-Bass, Inc.)

The authors begin by considering the probable future of conventional tenure systems. Several variations of term contracts, the chief alternative to tenure, are evaluated in relation to their impact on faculty turnover, program innovation, faculty morale and performance, academic freedom and curriculum flexibility.

Dr. Chait and Dr. Ford devote three chapters to modifications of classical tenure, including non tenure tracks, extended probation periods, waiving the "up or out" rule, tenure quotas, and evaluation of tenured faculty. They also discuss the various types of non-tenure-track appointments, suggesting ways to make such appointments of benefit both to faculty members and their institutions.

The authors then turn to the policies and practices basic to effective personnel administration. Using case studies from institutions that have developed sound tenure practices, they identify such common elements as use of explicit evaluation procedures, recognition that evaluations are competitive, and reliance on peer review.

Translating personnel policy into action, the authors discuss useful strategies for salary administration and merit pay programs, along with non-financial incentives.

The final chapter outlines a general framework for auditing the effectiveness of any academic personnel system.

Faculty/Staff Alerts

W-4E renewal

The Controller's Office reminds employees who filed a Withholding Exemption Certificate — Form W-4E — for 1981 that this certificate will expire April 30, 1982, for taxpayers on a calendar-year basis. The exemption claimed on Form W-4E must be renewed annually.

Employees who qualify and wish to continue their exemption, and employees applying for the first time, must file a new Form W-4E for 1982. They claim the exemption from withholding if they had no income tax liability for 1981 and if they anticipate no income tax liability for 1982. Forms are available from the Payroll Department, Room 301 Shields Building.

In general, the elimination of the withholding applies only to employees working part-time. The principal advantage is that it will eliminate the need to file an income tax return at the end of the year to obtain a refund of money withheld.

Unemployment eligibility

When, on occasion, the Office of Personnel Administration receives inquiries about the Pennsylvania Unemployment Compensation Law as it applies to the University, the questions raised usually concern coverage and employee eligibility to receive unemployment compensation benefits.

In responding, Personnel Administration staff explain that Unemployment Compensation is like an insurance plan designed to afford eligible employees limited protection against loss of wages while out of work through no fault of their own.

This job insurance, however, does not protect employees against wage loss if they are absent from work through illness or if they are not working by their own choice.

The State Office of Employment Security — not the University — determines the eligibility of persons to receive benefits. Payments are made only to persons who qualify. Payments are not based on need.

It is important to note that employers pay the total cost of providing unemployment insurance for their employees. Employees do not pay any of this cost. Insurance against unemployment is entirely separate from the insurance commonly termed "Social Security," which provides another cushion against complete loss of earnings to individuals and dependents because of retirement or death. Employees, together with employers, help to pay for this latter form of insurance.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p. m., April 15, 1982. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment Practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, sex (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT DIRECTOR FOR ENGINEERING AND PROJECTS, COLLEGE OF MEDICINE, HERSHEY — Responsible to the Director, Physical Plant, Medical Center, for engineering functions as required for the operation of the physical plant. Duties include all project coordinating, including information acquisition, design, estimating, bidding, purchasing and construction. A bachelor's degree in engineering, business, or a related field, plus four to five years of effective experience in the area of facility engineering design, construction, maintenance, operation, and/or management.

TEAM PHYSICIAN, COLLEGE OF HEALTH, PHYSICAL EDUCATION AND RECREATION, UNIVERSITY PARK — Responsible to the Athletic Director and the Dean of the College of Health, Physical Education and Recreation for providing medical care to intercollegiate athletes of the University, and for supervising the athletic trainers regarding their role in the medical delivery system to the intercollegiate athlete. A doctor of medicine degree, or its equivalent, from an accredited school of osteopathy, and a license to practice medicine in the Commonwealth of Pennsylvania, plus four to five years of experience in sports medicine or a related field.

VISUALS/PHOTOGRAPHIC EDITOR, COLLEGE OF AGRICULTURE, UNIVERSITY PARK — Responsible to the Assistant Director of Agricultural Communications for photography to be utilized as photojournalism in newspapers, magazines, exhibits, slide and filmstrip presentations, motion pictures and publications. Work with specialists and fellow communicators in learning and sharing creative and imaginative visual skills to produce visuals for various professional, public and student audiences. Participate in training activities (workshops, conferences, seminars and meetings) related to visuals that are conducted for Extension workers, related professional groups, and public audiences such as visiting foreign specialists and 4-H youths. Bachelor's degree (or equivalent) plus one to two years of effective experience in photographic film shop, or visual applications in commercial or educational work that can be applied to Extension activities and objectives.

PERSONNEL INFORMATION ASSISTANT, OFFICE OF PERSONNEL ADMINISTRATION, UNIVERSITY PARK — Responsible to Coordinator-Personnel Systems for preparing computer programs, documenting procedures and providing general support for personnel projects, research, data retrieval and reporting. Bachelor's degree (or equivalent) in business administration, data processing or related area, and six to nine months of effective experience in programming or associated degree (or equivalent) in data processing or related area, with one to two years of effective experience in programming activities.

ASSISTANT DEAN OF STUDENT AFFAIRS, BEHREND COLLEGE — Responsible to the Dean of Student Affairs for administration and coordination of the various functions within the Student Affairs operation. The Behrend College, primarily in the areas of Residential Life and Academic Standards. Living in a residence hall apartment is required. Acts for the Dean of Student Affairs as assigned. Master's degree or equivalent in college student personnel services or related field, plus two to four years of effective experience.

Capability Week

Because Penn State has taken such an active role in enhancing educational opportunities for the handicapped, I am very happy to proclaim the week of April 5 through April 9 "Capability Week."

The name has been chosen deliberately to call attention to the strengths and capabilities of the physically handicapped individuals living in our University community and to stress that physical disabilities need not exclude one from a rich and active life. "Capability Week" is being sponsored by ABLED — the Association of Barrier-Free Living, Environment and Design — and I urge members of the faculty, staff and student body to broaden their perspectives by participating in this week's activities.

President John W. Oswald

Student wins Goddard award

A Penn State junior, Stephanie Anne Gajjar, has won the Dr. Robert H. Goddard Scholarship presented by the National Space Club.

She accepted the award, which consists of a \$3,500 grant, certificate and plaque, at the Club's annual dinner last month in Washington, D.C. Among the honored guests were the astronauts aboard the first two Space Shuttle missions.

Only one Goddard Scholarship is awarded annually. Miss Gajjar was chosen for the award from more than 100 candidates from 42 states.

According to the Club, the scholarship was established "to stimulate the interest of talented students in the opportunity to advance scientific knowledge through space research and exploration."

A member of the University Scholars Program, Miss Gajjar is majoring in both physics and the engineering science and mechanics honors curriculum.

Altoona to install solar heating system

A grant from the Governor's Energy Council for Energy Conservation Measures will help build the first non-experimental solar heating system at Penn State.

Plans for the system's installation in the Adler Building, a physical education facility at the Altoona Campus, have been announced by the Executive Energy Committee.

The active hot water solar heating system will use solar collectors to heat a liquid transfer medium, which will be pumped to a heat exchanger. Energy culled from the exchanger will be used to heat a swimming pool partially and supply hot water for locker room showers.

The solar system is one of several energy improvements for the Adler Building made possible by the matching funds grant from the Governor's Energy Council.

Construction for the new system is scheduled to begin in July of this year and to be completed in September.

Alumni conference

(Continued from page 1)

directors — who are all volunteers — to exchange information and ideas. It is being organized by Heather R. Gilbert, assistant executive director of the Alumni Association.

Dr. Richard E. Grubb, senior vice president for administration at Penn State, also will address the conference, which is expected to draw some 150 participants.

Photography linked to Cubist style

"Cubism and American Photography 1910-1930" is the title of a talk to be presented by John Pultz, Newhall Fellow at the Museum of Modern Art in New York. Tuesday, April 20, at 10:30 a.m. in the Museum of Art.

Mr. Pultz is one of two curators of an exhibition with the same title now touring the country. He and fellow curator Catherine B. Scallen maintain that the work of such photographers as Alfred Stieglitz, Paul Strand, Edward Weston and Walker Evans did not represent a stylistic return to the 19th century photography that was made for non-artistic purposes.

"While it is true that formally and technically the 19th century documentary and vernacular photograph is close to the 20th century modernist notion of what a photograph should look like, it is not the prototype. The prototype was found in Cubism," the two curators state in the catalog for the exhibition.

Mr. Pultz and Ms. Scallen believe that Cubism provided for photography a style "related to but not imitative of modern painting." They conclude: "... the lessons from Cubism led to a photographic style so well attuned to the modern that in successive decades it was considered the inherent art style for photography."

Circus features acrobats, magic

The Chinese Magic Circus of Taiwan will perform at Eisenhower Auditorium on Friday, April 16, at 8:30 p.m. as an Artists Series Special Event.

The performance by this 17-member company includes virtuoso acrobatics, Kung Fu, brilliantly costumed traditional dancing and magic.

Most of the acts in this circus reflect a cultural tradition going back many centuries in Chinese history. In one of the most remarkable feats of the show, an acrobat places four bottles on a table, balances a series of chairs on the bottle necks, climbs to the top chair and executes a vertical one-handed handstand.

In still another feat of daring, an acrobat jumps through a burning circle that holds a dozen knives pointed at his body — blindfolded.

Tickets for the Chinese Magic Circus of Taiwan will be on sale at Eisenhower box office beginning Tuesday, April 13, from 9 a.m. to 4 p.m. The HUB Booth will be open on April 13 only. Phone orders will be accepted on MasterCard/VISA at 863-0255.

Easter Buffet at Inn

The Nittany Lion Inn is featuring a special Easter Buffet from 12 noon to 2:30 p.m. and from 6 to 8 p.m. on Sunday, April 11.

The menu includes Roast Top Round of Beef, Seafod Newburg, Baked Ham with Brandy Sauce, Chicken Coq au Vin, and Kielbasa and Sauerkraut. There will be a wide array of salads, cheeses and desserts.

The dinner is available for \$9.50 for adults and \$4.95 for children under 12 years of age. A dress code will be in effect.

Woody Allen hit to be staged at Kern

Play It Again, Sam, the hit Broadway comedy by Woody Allen, will be presented next week by the University Resident Theatre Company and Kern Theatre.

The drama, which focuses on a neurotic film critic's efforts to overcome the breakup of his marriage by seducing beautiful young women, will be performed at the Kern Theatre April 15 through 18, Thursday through Sunday, at 8 p.m. On April 14, there will be a



Dr. Deihl (left) and Dr. Udow

Symphonic Band to play April 18

The Symphonic Blue Band under the direction of Dr. Ned C. Deihl, professor of music education, will present its annual spring concert Sunday, April 18, at 3:30 p.m. in Eisenhower Auditorium.

Featured with the 85-member ensemble will be Michael Udow, assistant professor of music and principal percussionist with the Santa Fe Opera. He will perform solo timpani in Julius Tausch's *March and Polonaise*, followed by a virtuoso display of mallet keyboard in ragtime style.

The band will present Giannini's *Symphony No. 3* for Band, Malcolm Arnold's "Four Scottish Dances," Tchaikovsky's *1812 Overture*, a medley by Marvin Hamlisch and various concert marches.

Fenner, Luening concert Friday

"Compositions by Burt Fenner and Otto Luening will be performed by School of Music faculty in a Friday, April 16, concert at 8:30 p.m. in the Music Building recital hall.

Three of Mr. Fenner's works comprise the first half of the program. Bassoonist Georgia Peeples, trombonist David Gatts, pianist Michael Udow and cellist Leonard Feldman will perform his "Study for Timpani and Low Instruments."

Soprano Suzanne Roy and pianist Steven Smith will be featured in "Eleven Voodoo Songs," and Tustin Susan Kieck, clarinetist Smith Toulson, French hornist Christopher Callahan and Ms. Peeples will play "Strange Loops."

Mr. Luening's *Sonata for Trombone and Piano*, with Mr. Gatts and pianist Robert Baisley, will open the second half of the concert. Ms. Peeples and pianist Keith Ward will perform the composer's *Sonata for Bassoon and Piano*, and violinists Joanne Zagst and Donald Hopkins, violist Raymond Page and Mr. Feldman will play the final number, the String Quartet No. 3.

Mr. Fenner is a professor of music at the University. He studied with Mr. Luening, a retired music faculty member at Columbia University.

student preview and on April 17, a dinner-performance, both also at 8 p.m.

Tickets are \$3 for the Thursday, Friday and Sunday performances, \$1 for the Wednesday preview, and \$8.50 for the Saturday combination dinner and show. They may be purchased at the Main Desk in the Kern Graduate Building from 9 a.m. to 11 p.m., Monday through Saturday, and from noon to 11 p.m. on Sunday. Information and reservations are available at 865-1878.

'Visions of a New Decade' provides the theme for this year's Black Arts Festival

"Visions of a New Decade" is the theme selected for this year's Black Arts Festival.

Keynote speaker Sonja Haynes Stone will address the topic in her talk, "The Implications of the Reagan Presidency for the Education of Blacks" Thursday, April 15, at 8 p.m. in the HUB Gallery Lounge.

An instructor in education and Afro-American studies at the University of North Carolina, Dr. Stone is a graduate of Sarah Lawrence College with a doctorate from Northwestern.

The Philadelphia-based jazz group, Pieces of a Dream, will present a concert Saturday, April 17, at 8 p.m. in Eisenhower Auditorium. The Amazing Josini, a magician and ventriloquist, will join them as the opening act.

The widely-acclaimed play, *For Colored Girls Who Have Considered Suicide When the Rainbow Is Enuf*, will be presented by Daedalus Productions Monday, April 19, at 8 p.m. in the Robeson Center.

"Reaganomics and the Survival of Black

Students in the '80s" is the topic of a panel discussion Tuesday, April 20, at 8 p.m. in Robeson. Dr. Harold Cheatham, a visiting faculty member from the U.S. Coast Guard Academy, will moderate.

Participants include Dr. Howard R. Hall III, assistant professor of psychology; Dr. Louis Anderson, a staff clinical psychologist; Dr. Edward V. Ellis, associate dean, Human Development; and Dr. Laurie M. Gunter, professor of nursing and human development.

Dr. Cheatham will moderate a second panel discussion on the same topic on Wednesday, April 21, at 8 p.m. in the cultural center. Black Studies Program Director Dr. James B. Stewart will join the group to discuss the economic impact of Reaganomics.

Eugene E. Harris of U.S. Steel, will look at the transition from campus to working world in this panel discussion.

Persons desiring more information about the Black Arts Festival may contact the Robeson center at 865-3776.

Naiads swim show offering 12 routines

The Naiads Synchronized Swimming Club, sponsored by the College of Health, Physical Education and Recreation, will present their annual performance Thursday through Saturday, April 15, 16 and 17.

This year's show, "Aqua Alternatives," will begin at 8 p.m. each evening at the Natatorium. Twelve swimming routines have been choreographed to music from the entertainment world, ranging from Broadway, television and the movies to classical works. The 25 swimmers will appear under the lights in duets and in small and large group numbers.

Tickets are available at the Athletic Ticket Office in Rec Hall or can be obtained at the door on performance nights, beginning at 7:30 p.m.

N.O.W. leader to talk

Jane Wells-Schooley, vice president of N.O.W. (National Organization for Women), will speak Wednesday, April 14, at 8 p.m. in the HUB Ballroom.

Her appearance is sponsored by Colloquy as part of its "Women in Power" series.

Ms. Wells-Schooley holds two Penn State degrees, a 1969 B.A. in English and a 1973 M.A. in speech communication. Elected to her N.O.W. post in 1979, she is responsible for legislative lobbying on all issues apart from the E.R.A. campaign.

South African poet examines Reagan policy

Dennis Brutus, an exiled South African poet, will look at "The Reagan Administration and South Africa" Monday, April 12, at 12:45 p.m. in Room 111 Mueller Building.

His lecture, which is the first in the Spring Lecture Series of the Black Studies Program, will be part of a class in Social Science 110.

Professor of African literature at Northwestern University, Mr. Brutus is a leading critic of South Africa's apartheid system of racial segregation and is president of the South African Non-Racial Olympic Committee, a group which promotes international sports boycotts of that country.

CUNY professor visits

Dr. Barry J. Luby, professor of Spanish at John Jay College of Criminal Justice (CUNY), will speak on "The Existential Conflict in Unamuno and Modern Thought" Monday, April 12, at 7:30 p.m. in Room 101 Kern Building.

Three talks end photography events

Two speakers from Great Britain will present the final lectures in this year's History of Photography Events.

A Londoner, Felicity Ashbee, will discuss "Photography in 19th Century Russia: William Carrick and His World" on Monday, April 12, at 3:30 p.m. in Room 101 Kern. Her talk is being co-sponsored by the Departments of Slavic Languages and Art History.

John Taylor, senior lecturer in the history of art at Stourbridge College and part-time lecturer at Woolverhampton Polytechnic, will make two presentations.

He will talk on "Turn-of-the-Century Movements: The Linked Ring Brotherhood" on Monday, April 19, in Room 101 Kern. This talk is being co-sponsored by the Department of Art History.

The next day (Tuesday), his topic will be "Photography and Propaganda During the First World War." This talk is scheduled at 8 p.m. in Room 101 Kern.

Ms. Ashbee is the grandniece of William Carrick, a Scottish lumber tradesman who settled in Russia in the 19th century.

Mr. Taylor is the official purchaser of photographs for the West Midlands Art Association. He will be on campus for a month as a Visiting Fellow of the Institute for the Arts and Humanistic Studies.

Piano recital April 14

Pianist Steven Glaser, an instructor in music, will perform works by Mozart, Brahms, Debussy, Chopin, Liszt and Paganini Wednesday, April 14, at 8:30 p.m. in the Music Building recital hall.

Mr. Glaser, who joined the University music faculty this past fall, received his B. Mus. degree with honors from the University of Michigan and his M. Mus. degree from Julliard.

He has given concerts in Alice Tully Hall and Carnegie Recital Hall in New York, made a concert tour of Israel and is currently giving a series of recitals in the New York metropolitan area.

University Park Calendar

April 8 — 23 Special Events

Thursday, April 8

Registrations are being accepted for after-school art classes sponsored by Art Education, School of Visual Arts. Information available from Kristi Rehm, at 863-5879.
Medieval Studies Lecture, 1 p.m., Music Bldg. recital hall. Ruth Steiner, Catholic Univ. — "The Music for a Cluny Office of Saint Benedict."

Sports: baseball vs. Lock Haven (DH), 1:30 p.m. Kern Classics, *My Fair Lady*, 8 p.m., 112 Kern. New German Cinema, *Brandtner, I Love You, I Kill You*, 7 and 9 p.m., HUB Assembly Room. Also April 9.

Penn State Dances meeting, 7:30 p.m., 101 Kern.

Friday, April 9

Geography Dept. Coffee Hour, 3:40 p.m., 119 Walker. Marc Treib, prof. of architecture, UC-Berkeley, on "Mapping Experience." Cinematheque, *Yojimbo*, 7 and 9:15 p.m., 121 Sparks. Also April 10.
GSA Coffeehouse, 8 p.m., 112 Kern. Shaver's Creek Environmental Center, Gordon Bok Concert, 8 p.m., Faculty Club.

Saturday, April 10

Deadline for final oral doctoral examinations for May graduates.
Deadline for May graduates to deliver master's theses or papers to advisors.
Sports: tennis (men) vs. East Stroudsburg, Mercyhurst and Rochester. Also April 11.

Sunday, April 11

Nittany Lion Inn, special Easter Buffet, 12-2:30 p.m., 40 m.
Sports: baseball vs. Howard (DH), 1 p.m.

Monday, April 12

Fixed date for meetings involving Commonwealth Campus faculty. Also April 13.
Deadline for May graduates to submit camera-ready theses manuscripts to Thesis Office.

Black Studies Program Lecture, 12:45 p.m., 111 Mueller. Dennis Brutus, exiled South African poet, on "The Reagan Administration and South Africa."
History of Photography Lecture, 3:30 p.m., 101 Kern. Felicity Ashbee, London, England, on "Photography in 19th Century Russia: William Carrick and His World."

Science-Engineering Lecture, 7:30 p.m., 112 Walker. Eugene P. Wigner, Nobel Laureate, on "The History of Nuclear Power: The Early Days."

IAHS film on Polish Jewry, *Image Before My Eyes*, 7:30 p.m., 101 Chambers.

Unamuno Lecture, 7:30 p.m., 101 Kern. Dr. Barry J. Luby, John Jay College of Criminal Justice, CUNY, on "The Existential Conflict in Unamuno and Modern Thought."

College of Science, Priestley Lecture Series, 8 p.m., S-5 Osmond. Daniel E. Koshland, Jr., Univ. of California-Berkeley, on "The Chemistry of Sensing and Regulation." Also April 13, 14 and 15.

Tuesday, April 13

Comp. Lit. Luncheon, 12:15 p.m., 101 Kern.
Timothy Bahr, Commonwealth Literature, Cornell Univ., on "European Romanticism." Instructional Development Workshop, "Utilizing Large Classroom Environments," 3-4:30 p.m., 305 HUB. Also April 14, 9:30-11 a.m.

Registration for children's basic movement skills classes, 3:45 p.m., White lobby.

Sports: volleyball (men) vs. East Stroudsburg, 7 p.m.

CSA Council meeting, 7:15 p.m., 101 Kern. APPLE Users Group meeting, 7:30 p.m., 189 Materials Research Lab.

HUB Craft Center, open house and registration for second session classes, 7:30-9:30 p.m., 312 HUB.

Artists Series, *Notes of Hoffmann*, 8 p.m., Eisenhower.

Wednesday, April 14

William Elliott Lecture, 9:45 a.m., Keller Auditorium. Wall Whitman Rostow, Rex C. Baker Jr. Professor, Univ. of Texas, on "A Prescription for the American Economy." Commons Concert, noon, Kern Lobby.

Sports: softball vs. Clarion, 2:30 p.m. Un-Common Theatre, Student Preview, *Play It Again Sam*, 8 p.m., 112 Kern.

English Colloquium, 8 p.m., 101 Kern. Timothy Bahr, Cornell Univ., on "Auerbach Today." Steven Glasser, pianist, 8:30 p.m., Music Bldg. recital hall.

Thursday, April 15

New German Cinema, Fassbinder, *Satan's Brew*, 7 and 9 p.m., HUB Assembly Room. Also April 16.

Museum of Art film, *The Hero as Artist*, 7 p.m., 112 Kern.

Un-Common Theatre, *Play It Again Sam*, 8 p.m., 112 Kern. Also April 16 and 18.

Naiads Synchronized Swimming performance, 8 p.m., Natatorium. Also April 16, 17.

Black Cultural Arts Festival Keynote Address, 8 p.m., HUB Gallery Lounge. Sonja Haynes Stone, Univ. of North Carolina, on "The Reagan Presidency and the Education of Blacks."

Friday, April 16

STS/Three Cultures Dialogue, 12:20 p.m., 101 Kern. Frederick R. Eisele, social planning, on "The Issue of Aging: Integrating Short- and Long-Range Planning."

Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. Wilbur Zelensky, geography, on "Oh, Say Can You See? — The Impact of Nationalism on the American Landscape."

121 Sparks. Also April 17.
Artists Series, The Chinese Magic Circus of Taiwan, 8:30 p.m., Eisenhower.

IAHS concert, 8:30 p.m., Music Bldg. recital hall. Compositions by Burt Fenner and Otto Luening performed by School of Music faculty.

Saturday, April 17

Sports: baseball vs. St. John's (DH), 1 p.m.; track and field (men), Memorial Invitations — Fairleigh Dickinson, George Mason and Slippery Rock, 1 p.m.; lacrosse (men) vs. Rutgers, 7:15 p.m.; lacrosse (women) vs. Rutgers, 1 p.m.; tennis (men) vs. Bloomsburg, Colgate and West Virginia. Also April 18.

Un-Common Dinner Theatre, *Play It Again Sam*, dinner, 6:30 p.m.; performance, 8 p.m., 102 Kern.

Sunday, April 18

HUB Craft Center, second session classes begin. Shaver's Creek Environmental Center, Bird Breakfast, 7 a.m.; Wildflower Walk, 2 p.m. Symphonic Blue Band Spring Concert, 3:30 p.m., Eisenhower. Michael Udow, music, soloist.

Monday, April 19

Commons Secretaries' Week Plant Sale, 10 a.m.-4 p.m., Kern Lobby. Also April 20.

IAHS/Spans Communication Lecture, 4 p.m., 112 Kern. Lloyd Bitoul, Univ. of Wisconsin-Madison, on "Miraculous Rhetoric: Hume and the 18th Century Dispute Concerning Miracles."

France-Cinema, Clement, *Forbidden Games*, 7 and 9 p.m., 112 Kern.

Black Arts Festival, 8 p.m., Robeson Center. Dardelus Productions, "For Colored Girls Who Have Considered Suicide When the Rainbow Is Enuf."

History of Photography Lecture, 8 p.m., 101 Kern. John Taylor, Stourbridge College, England, on "Turn of the Century Style Movements: Linked Ring Brotherhood."

Tuesday, April 20

Gallery Talk, 10:30 a.m., Museum of Art. John Pultz, Museum of Modern Art, on "Cubism in American Photography — 1910-1930."

Comp. Lit. Luncheon, 12:15 p.m., 204 HUB. Athol R. Jennings, headmaster, Waterford Kamhlaba United World College, Swaziland, on "Alan Paton's *Ah, But Your Land Is Beautiful*."

Sports: softball vs. Lock Haven, 2:30 p.m. Dance Workshop, student choreography presented, 5:45 p.m., White Bldg. Theatre.

Medieval Studies Lecture, 4 p.m., 124 Sparks. John Meyendorff, Fordham Univ., on "Monastic Revival in Byzantium."

History of Photography Lecture, 8 p.m., 101 Kern. John Taylor, Stourbridge College, England, on "Photography and Propaganda during the First World War."

Artists Series, *All That Jazz*, 8 p.m., Schwab.

Wednesday, April 21

Commons Concert, noon, Kern Lobby. Graduate Council meeting, 3 p.m., 101 Kern. Kern Classics, *Mao in Mozart*, 7 and 9 p.m., 112 Kern. Also April 22.

English Colloquium, 8 p.m., 101 Kern. Geoffrey Bock, visiting professor, English, on "The Serious Business of Humorous Writing."

Thursday, April 22

Sports: softball vs. West Virginia, 2:30 p.m.; tennis (men) vs. Maryland, 2:45 p.m. New German Cinema, Schlöndorff, *Young Törless*, 7 and 9 p.m., HUB Assembly Room.

IAHS Lecture, Dora de Pedry-Hunt, Canadian medalist, on her work, 8 p.m., Zoller Gallery.

Friday, April 23

Fourth Annual Slavic Folk Festival, 9 a.m.-10 p.m., Robeson Cultural Center. Also April 24, 9 a.m.-5 p.m.

Civil Engineering Open House, 1-5 p.m., Kunkle Lounge, Hammond. Also April 24, 3-5 p.m.

Commonplace Theatre, *Arthur*, 7 and 9 p.m., 112 Kern. Also April 25.

Cinematheque, *Paving Stripes*, 7 and 9 p.m., 121 Sparks. Also April 24.

Seminars

Thursday, April 8

Chemistry, 12:45 p.m., 333 Whitmore. Andre Drieding, Univ. of Zurich, on "A Computer-Fit Model for Chemical Structures."

Anthropology, 3:30 p.m., 107 Carpenter. John H. Relfelhof, SUNY, on "Social Class and the Genetic Structure of Island Population."

Physics, 3:50 p.m., 117 Osmond. J. Krumhals, Cornell Univ., on "Non-Linear Behavior, the Old and the New in Physics."

Philosophy, 4 p.m., 101 Kern. Frank Kirkland, Univ. of Oklahoma, on "Coherence and Correspondence: Concepts of Truth in Kant and Hegel."

Monday, April 12

Physics-Nuclear Engineering, 3 p.m., 445 Davey. Eugene P. Wigner, Nobel Laureate, on "The Principle of Determinism and its Relationship to the Quantum Mechanical Measurement Process."

Entomology, 4 p.m., 204 Patterson. Robert Snetsinger, entomology, on "The Hazards of Thinking Like an Insect."

MC3B, 4 p.m., 101 Althouse. William E. Rawls, Dept. of Pathology, McMaster Univ., on "The Association of Herpes Simplex Virus Type 2 and Cervical Cancer; An Epidemiologic Model of the Role of Viruses and Cancer."

Tuesday, April 13

Metallurgy, 9:45 a.m., 301 Steidle. P.R. Howell, metallurgy, on "An Introduction to Analytical Electron Microscopy."

Solid Waste Management, 2:20 p.m., 128 Sackett. G. Gross, Loss, Inc., on "Instrumentation for the Identification of Hazardous Waste."

Plant Pathology, 3:45 p.m., 213 Buckhout. Barbara Illman on "Berkeley — Classic — 8."

Thursday, April 15

Chemistry, 12:45 p.m., 333 Whitmore. Gary M. Hietje, Indiana Univ., on "Correlation Based Time-Resolved Chemistry."

Economics, 3 p.m., 101 Kern. Richard E. Caves, Harvard Univ., on "The Interaction of Market Structure and Market Growth."

Physics, 3:50 p.m., 117 Osmond. D. Kleppner, M.I.T., on "The Rydberg Atom."

Friday, April 16

Metallurgy, 4 p.m., 301 Steidle. M.G. Burke, U.S. Steel Research Lab., on "Application of Analytical Electron Microscopy to the Study of Stress Corrosion Cracking."

Monday, April 19

Entomology, 4 p.m., 204 Patterson. Herbert Cole, plant pathology, on "Ag Fumes —"

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Education and Research for Agriculture in the 1980s."

MC3B, 4 p.m., 101 Althouse. Daniel Nebert, Nat'l Inst. of Child Health and Human Development, on "Genetic Differences in the Enzymes that Metabolize Drugs."

Chemical Carcinogens, and Other Environmental Pollutants."

Tuesday, April 20

Metallurgy, 9:45 a.m., 301 Steidle. C.G. Pantano, ceramic science, on "Surface Techniques in Materials Science."

MC3B, 11 a.m., 101 Althouse. Daniel Nebert, Nat'l Inst. of Health Care and Human Development, on "The Ah Locus: Regulated Induction of Multiple Enzymes Which Metabolize Drugs, Chemical Carcinogens, and Other Environmental Pollutants."

Solid Waste Management, 2:20 p.m., 128 Sackett. W. Duffy on "Design for National Renovation Landfill."

Geosciences, 3:45 p.m., 22 Deike. M.L. Crawford, Bryn Mawr, on "Fluid Inclusions in Metamorphic Rocks."

Plant Pathology, 3:45 p.m., 213 Buckhout. Oran Geddes, on "Pathogenicity of *Drechslera arghillii* in Sorghum."

Computation Center, VM/CMS Exec 2, 7:30 p.m., 112 Walker. Also April 22.

Computation Center, CENSAP, 7:30 p.m., 110 Computer Bldg. Also April 22, 27.

Thursday, April 22

Chemistry, 12:45 p.m., 333 Whitmore. Philip Brooks, Rice Univ., on "Studies with Molecular Beams."

Physics, 3:50 p.m., 117 Osmond. L. Smarr, Univ. of Illinois, on "Numerical Relativity."

Exhibits

HUB Gallery: Prints by Romare Bearden and Jacob Lawrence.

Chambers Gallery: Juried Undergraduate Photo Show, through April 11. Papermaking Show, opens April 14.

Kern Gallery: Slavic Arts and Artifacts. Constantine Kermes, paintings and prints.

Museum of Art: Photographs from the Museum's Collection, through April 18. Director's Choice, Selected Works from the Museum's Collection.

Sculpture and Sculptural Objects from the Museum's Collection.

Dora de Pedry-Hunt, medals and sculpture, opens April 21.

Pattee Library: Rare Books Room: Goethe: The Fortunes of Faust.

History of Photography — A World-Wide Inquiry, April 13-24.

East Corridor Gallery: Ed Leos, photographs, "Dorothy Roberts and her Poetry."

Main Lobby and Second Floor, East: Morgan Payne, paintings.

Lending Services Lobby: David Vaughan, photographs by the sea.

West Patio Lobby: Allison Lush, paintings, prints and drawings, through April 16.

Paul Robeson Cultural Center: "Twenty-five Approaches to Contemporary Printmaking," through April 18.

Visual Arts Bldg., Zoller Gallery: David Harmon, Paul Flexner, paintings, through April 18.

Susan Smith, photographs, opens April 21.

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Penn State gets \$9.6 million contract to help Swaziland

Penn State has been awarded a five-year, \$9.6 million contract to help farmers in the African nation of Swaziland increase their agricultural output.

Funding will be provided by the U.S. Agency for International Development, a unit of the U.S. State Department. The project, which begins immediately, will be administered by the College of Agriculture.

Dozens of faculty members from Penn State and Tennessee State University, which is associated with Penn State in the project, will travel to Swaziland over the next five years. Their goal is to help the nation improve its agricultural research and extension efforts. In addition, a number of college-educated Swazi agriculturalists will come to Penn State to earn their master's degrees.

"The University is extremely pleased to be awarded the contract to help Swazi farmers," President Oswald said. "Our ultimate goal is to help a developing young nation learn to feed itself, to move from the subsistence level to one in which

every Swazi citizen will be assured sufficient food and nutrition.

"The project is enormous in scope and is, in fact, Penn State's largest effort to date in the arena of international agriculture," Dr. Oswald continued. "Our being selected from among 30 universities to carry out this work reflects quite favorably on the quality of Penn State's College of Agriculture."

Dr. Oswald added that Dr. Samuel Smith, dean of the College of Agriculture, and Dr. Robert McAlexander, assistant dean and director of international agricultural programs, were instrumental in securing the contract.

Swaziland is bounded by Mozambique on the East and by South Africa on its other borders. A former British protectorate, its roughly 530,000 people are governed by King Sobhuza. About 75 percent of the working population of the country, which comprises 6,704 square miles, is employed in agriculture. Cattle is the main source of wealth, and the principal crops are sugar, citrus fruits,

cotton, rice and maize.

Dr. Dean Jansma, professor of agricultural economics, will serve as Penn State's project manager. Dr. Thomas King, associate dean for agricultural extension, will manage the project in Swaziland and has already left to take up his post.

"The project will involve nearly 40 Penn State faculty members from the College of Agriculture," Dr. Jansma said. "Eight positions, in which various faculty members will rotate, will be filled for the full five years in Swaziland. We'll also have 30 short-term people who will go there for a month or two to work on special tasks."

One of the short-term experts, Dr. C. Terry Morrow, associate professor of agricultural engineering, will leave soon for three weeks. He will inspect the Swazi computer facilities needed for the project.

"The project is basically two-fold," Dr. Jansma explains. "The first part is technical assistance, in which our faculty experts will help to redirect Swaziland's

agricultural extension research programs to focus on the needs of the small farmer."

"Swazi agriculture, he says, has two tiers. One is the large corporate farm run by foreign owners. The other is the community of small farmers. Swazi natives farm communal land, but each is given about 16 acres to farm for himself. The Penn State project is devoted to helping the small farmer increase productivity.

"The second part of the project," Dr. Jansma adds, "is called 'participant training,' in which we bring Swazi agricultural researchers and administrators here to earn master's degrees so they will be able to assume leadership positions in their nation's agricultural community when they return."

Among the Penn States who will be working in Swaziland in long-term positions are horticulturist Doyle W. Grenoble, agricultural economist Roland Freund, and agricultural communicator Glenn Bengtson.

Honors criteria altered; drops, CWC research climate debated

While approving an editorial change in a legislative report on course drops at their April 6 meeting, members of the University Faculty Senate indicated considerable disquiet about the principle of allowing eighth-week drops.

In other actions, senators accepted half of a proposal by the Committee on Undergraduate Instruction, voting to change criteria for graduation with honors, but not those used for Dean's List.

A third topic engendering considerable discussion was an informational report on the climate for research at the Commonwealth Campuses.

No alteration in the present rule on course drops — beyond the editorial change necessary to accommodate the rule to a longer time period under the new calendar — was recommended in the legislation proposed by Undergraduate Instruction. A number of senators, however, rose to express concern about

the increasing number of students taking advantage of an eighth-week escape hatch.

William H. Park (mechanical engineering) asked, "Where in business would you be allowed to give up responsibility when 80 percent of your project period has passed?"

Norman Knaub (Albion) pointed out that at a time of serious shortfall in University resources extra class sessions must be scheduled for students taking courses the second time around. Course drops, he said, allow students to bail themselves out of trouble, often after making only a half-hearted attempt. "They waste their own time and the University's," he commented.

The vote on acceptance of the editorial change was close, and Chairman Nancy Tischler indicated that a re-examination of the principle might be appropriate.

The report of the Committee on

(Continued on page 2)



Dr. Lena

Mrs. Kudo

Educator, steel officer next Alumni Fellows

Emiko I. Kudo of Honolulu, former deputy superintendent of education for the Hawaii Department of Education, and Adolph J. Lena of Dunkirk, N.Y., chairman of the board and chief executive officer of Al Tech Specialty Steel Corp., will visit University Park next week as Alumni Fellows.

Mrs. Kudo, a 1950 master's degree graduate in vocational education, will be a guest of the College of Education April 27-30. A member of Hawaii's Department of Education for 30 years, she restructured the state's vocational-technical education program. She also pioneered a Career Education Program and served as the state coordinator of career education of industry-education-labor. In addition, she founded the Hawaiian Vocational Education Foundation for Youth, which she began in 1973 with her own funds.

Dr. Lena, a 1948 recipient of a Penn State bachelor's degree, will visit the College of Earth and Mineral Sciences from April 27 to May 2.

After earning master's and doctoral degrees at Carnegie-Mellon, he joined Allegheny Ludlum Steel Corp. in 1952 as a research metallurgist, rising to vice president of the company.

He twice received Allegheny Ludlum's Frank Lounsbury Award for outstanding research achievements. An Honorary Fellow of the American Society of Metals, Dr. Lena has served the society as national secretary and as a trustee. He is a member of the board of directors of the American Iron and Steel Institute

Civil engineers mark centennial

The Department of Civil Engineering will celebrate the centennial of its founding Friday, April 23, and Saturday, April 24, with a series of activities which include an open house, concrete canoe races, a chicken barbecue at Stone Valley and a banquet.

The engineering program at Penn State began officially in September 1881 with civil engineering, and the first bachelor of science degree in this area was awarded in 1894. Since then, the department has granted approximately 4,800 degrees in civil, sanitary, highway, structural and environmental engineering.

The public can view displays of books, photos and equipment associated with the department in Kunkle Lounge on Friday from 1 to 5 p.m. and on Saturday from 3 to 5 p.m.

The second annual concrete canoe races, sponsored by the Penn State Student Chapter of the American Society of Civil Engineers, will begin at Stone Valley Saturday at 10:30 a.m., following a flotation test at 9:30 a.m.

Teams of students from 16 colleges and universities, including Penn State, will compete in the races with canoes of their own design and construction.

The activities at Stone Valley will conclude with a chicken barbecue at 1 p.m. A centennial banquet will be held at Gatsby's at 7:30 p.m.

Alumni and guests may make reservations for the barbecue and banquet by contacting the Civil Engineering Department.

Blue-White kickoff changed to 1 p.m.

The starting time for the Blue-White Football Game on May 1 at Beaver Stadium has been moved back from 2 p.m. to 1 p.m.

Earth and Mineral Sciences open doors for biennial open house on April 24, 25

Two unique university laboratories and a recently acquired oil painting are just three of the highlights of EMEX 82 — the 1982 Earth and Man Exposition, an open house in the College of Earth and Mineral Sciences.

The biennial open house, sponsored by the Earth and Mineral Sciences Student Council under the chairmanship of Diane Nork, a geosciences senior, will be held Saturday and Sunday, April 24 and 25, from 1 to 5 p.m. Visitors may pick up programs and begin self-guided tours in the lobby of Deike, Steidle or Walker.

The two unique laboratories, which will be opened to the public for the first time, are the oil drilling rig floor simulator facility and the mine electrical laboratory. The former enables students to become familiar with safe techniques of drilling for oil or gas without leaving campus, and the latter has the most complete collection

of model mine power equipment in the country.

The painting, "Coal Miners in a Lift," was done by Henry Varum Poor in 1948 as a preliminary study for the mineral industries section of Old Main's "Land Grant Frescoes." It can be seen in the Earth and Mineral Sciences Art Gallery and Museum in Steidle Building.

Other highlights of EMEX 82 will include demonstrations of the latest in weather forecasting and research facilities, gem polishing, computerized mapmaking, the electron microprobe analyzer, and scanning electron microscope.

Highly specialized facilities that will be open include laboratories devoted to instruction and research in rock mechanics and mine ventilation, data-collection on eastern earthquakes, and various aspects of metallurgy, fuel science, ceramic science, and polymer science.

Penn Staters

Two faculty members from the College of Science have been awarded 1982 John Simon Guggenheim Memorial Foundation Fellowships.

Dr. George E. Andrews, Evan Pugh Professor of Mathematics, and Dr. Gregory L. Geoffroy, associate professor of chemistry, are among 277 scientists, scholars and artists chosen from 3,200 applicants nationwide in the foundation's 58th annual competition.

Dr. Andrews, an internationally recognized number theorist, plans to spend a portion of his fellowship working with R.J. Baxter of the Australian National University in Canberra on interactions between physics and combinatorics. He will devote the remaining part to studies involving Ramanujan's "lost" notebook and symbolic manipulation computer languages.

Dr. Geoffroy, a past recipient of a Sloan Fellowship and a Dreyfus Teacher-Scholar Award, plans to work on carbon monoxide reduction by transition metals supported on zeolite catalysts in the laboratories of J.B. Uytterhoeven and Peter A. Jacobs in Belgium. Later he will visit an industrial research facility to study heterogeneous catalysis.

Dr. Graham B. Spanier, professor of human development and sociology, has been named the 1982 recipient of the Outstanding Young Alumnus Recognition Award from Iowa State University. The award is given to an individual under 35 years of age "for distinctive achievement which has honored Iowa State University." Dr. Spanier, who also serves as associate dean for resident instruction in Human Development, earned both his B.S. (1969) and M.S. (1971) in sociology from Iowa State.

Dr. Gerard J. Brault, professor of French and Fellow, IAHs, has been elected a Corresponding Fellow of the Real Academia de Buenas Letras (Royal Academy of Belles Lettres) of Barcelona, Spain. The Academy was founded in 1729 to promote literary and historical research and confers the title of Corresponding Fellow on a small number of distinguished foreign scholars. Internationally known for his publications concerning medieval French language and literature, Professor Brault also edited the first French translation (1527) of the Spanish classic *La Celestina* and is the author of several studies of the latter work and of Spanish loan-words in French during the sixteenth century. The French *Song of Roland*, an epic poem he edited in 1976, is set largely in Spain.

Dr. Roger P. Ware, professor of mathematics, presented an invited colloquium at the University of Toronto entitled "On the Galois Group of the Pythagorean Closure of a Formally Real Field."

Dr. Philip S. Skell, Evan Pugh Professor of Chemistry, presented an invited colloquium at Harvard University. He discussed "Excited States in Thermal Chain Reactions: Succinimides and Carbohydrates."

Members of the Alard Quartet presented a concert at Carnegie Hall on April 6. They will perform in New York again on May 25 in Merkin Auditorium. The Quartet has been invited to return to New Zealand this summer for a nine-week residency at the University of Canterbury. The four associate professors comprising the Quartet are Joanne Zagat Feldman and Donald Hopkins, violins; Raymond Page, viola; and Leonard Feldman, cello.

Lester P. Nichols, who retired April 1 as professor of plant pathology Extension, has received emeritus rank.

Dr. Joseph O. Prewitt-Diaz, assistant professor of education, and Dr. Michael A. Smyer, assistant professor of human development, are among 50 American professionals chosen for Class III of the W.K. Kellogg Foundation's National Fellowship Program.

The program, begun in 1980, is aimed at helping the nation expand its pool of capable leaders. It is structured to increase individuals' skills and insights into areas outside their chosen discipline so they can deal more creatively and effectively with society's problems.

Kellogg National Fellows receive a three-year grant of up to \$30,000 to pursue a professionally broadening self-designed plan of study. Class III Fellows are expected to examine broad issues relating to family life, community and international interdependence.

Dr. Prewitt-Diaz came to Penn State in 1979 after serving on the faculty of the University of Connecticut where he earned his doctorate in curriculum and instruction. His research interests include bilingual education, and he is co-chairman of the Pennsylvania Association of Bilingual Education.

Dr. Smyer came to the University in 1977. He received his doctorate in psychology from Duke University, where he also served as a part-time assistant to the president of the university. He is associate director of the Gerontology Center.

Dr. John Dawson, associate professor of mathematics at York, has been named to a committee that will oversee publication of an English edition of the collected works of Kurt Godel, one of the great mathematical logicians of this century. The committee is chaired by Professor Solomon Feferman of Stanford University, the president of the Association for Symbolic Logic. The other members are Professor Jean van Heijenoort of Harvard and Professor Gregory Moore of the University of Toronto.

Dr. Dawson has also been granted a membership for the coming year at the Institute for Advanced Study in Princeton, N.J., which will support him while he catalogue's Godel's unpublished papers. Including manuscripts, correspondence and transcripts, the *Nachlass* (German for what's "left after") fill 10 file drawers and 57 packing boxes at the Institute.

"Retrospective: 25 Years of Fiber Art" by David Van Dommelen, professor of art education, is on display at the Arrowmont School of Crafts' Gallery in Gatlinburg, Tenn., through June 1. The show originated at the University's Museum of Art.

Obituaries

Harold F. Graves, professor emeritus of English composition, died March 30 at the age of 84. A member of the faculty from 1922 until 1936, Dr. Graves was the author or co-author of four books. He earned his M.A. and Ph.D. at Penn State.

Dr. Agnes R. McElwee, professor of English composition at her retirement in 1970, died April 4. She joined the faculty of the College of the Liberal Arts in 1944, having earned M.Ed. and Ph.D. degrees at Penn State. Dr. McElwee received the Christian R. and Mary F. Lindback award for distinguished teaching in 1970.

Brenda L. Nee, an admitting clerk at the Hershey Medical Center since 1980, died April 3. She was 22.

Clarence Sprankle, an inventory clerk with Housing and Food Services at his retirement in 1970, died March 31 at the age of 75. He joined the staff in 1950, serving first as a social director with Student Affairs and then as a post office supervisor.

Senate

(Continued from page 1)

Undergraduate Instruction suggesting changes in honors criteria noted that "the qualitative value associated with Graduation with Distinction or 'being on' the Dean's List has been somewhat decreased by the large percentage of students who can achieve this honor."

The Senate accepted the following recommendation: "The top 12 percent of the baccalaureate degree candidates from any college shall be eligible to graduate with distinction if they have achieved at least a GPA of 3.5. The 12 percent should be divided into 2 percent With Highest Distinction, 4 percent With High Distinction and 6 percent With Distinction."

The same provisions will apply to associate degree candidates.

The Committee also proposed that Dean's List be limited to full-time students with a 3.5 GPA and that no more than 15 percent of the students in any college be placed on the Dean's List. (In Spring Term '81, for example, Engineering was the only college with less than 15 percent of its students on Dean's List—14.6 percent. Education had the most—31.4 percent.)

Several senators suggested that it was unnecessary to tamper with Dean's List criteria and that comparisons among colleges were valid since students throughout the University system take a number of identical basic courses. The question of variations in the difficulty of programs, these senators held, had been addressed by the section already passed. Their argument prevailed, and the second section was voted down.

In presenting suggestions to enhance the climate of research at the Commonwealth Campuses, the Committee on Research in its report said that while "the amount of research activity . . . cannot . . . be a constant per faculty throughout the University . . . we do support the concept that all should attempt to become involved."

They recommended that Campus directors and department heads adjust schedules and teaching loads; departments try to generate support for all faculty; constraints on obtaining sabbatical leaves be addressed; assistance be made available in preparation of research proposals; and Campus library facilities be examined.

Dr. Robert J. Scannell, vice president and dean, Commonwealth Educational System, in a statement amplifying the Committee report, pointed out that much of the data on which it was based had been gathered prior to CES's formation and changes are in progress. While the research environment and activity at the Campuses is not comparable to University Park, it is not a "wasteland," he emphasized.

Specifically, he mentioned that:

—This year, 110 grants were made to Campus faculty members through the Faculty Scholarship Support Fund, and advisory boards at several Campuses have begun to devote locally generated funds to implementing Campus research proposals;

—Campus faculty members have competed for and obtained grants from the Institute for the Arts and Humanistic Studies and through the Research Initiation Grant program;

—Several grants proposals for outside funding are in preparation.

Dr. Scannell also reported that an intense, one-day seminar had been held to discuss, with the assistance of active Campus researchers, the CES research environment. As an outgrowth of the meeting, a research liaison person has been designated for each Campus to work on problems and a follow-up conference will be held in late May.

Discussing the question of sabbaticals, Dr. Scannell took note of the perception that Campus applications are generally rejected.

"In fact," he said, "only 15 applications were submitted this year. Of those 15, 12 were endorsed by the College, Department and my office. Of those 12,

10 were granted. The problem is not so much one of a high rejection rate, but one of a low application rate."

Adding that CES applications are quite often "more poorly written" and thus not competitive, he promised a "high priority" on finding ways to deal with this situation before the next round of applications.

The Senate passed three other pieces of legislation. It accepted a report from its Subcommittee on 800-Level Courses specifying admission policies for students wishing to transfer from associate degree to baccalaureate degree candidacy and the methods to be used to evaluate previously earned credits.

It agreed to proposals from Committees and Rules to speed up reporting of elections to Senate membership and of Senate officers to allow adequate time for preparing committee assignments.

It passed a recommendation from the Special Committee on Computer and Information Systems — held over from last month for costing estimates — describing various academic computing needs. Among these were a seminar program, newsletters and a Computer Services Bureau.

A letter may vote was cast by Caroline Eckhardt (English), who pointed out that the legislation was presented on an illegible overlay and that senators had no idea of what they had voted on.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT MANAGER, HOUSING AND FOOD SERVICES, MONT ALTO CAMPUS — Responsible to the Manager, Housing and Food Services, for assisting in the overall operation of the Housing and Food Service units. Associate degree or equivalent in institutional management, plus one to two years' effective experience in food supervision.

SENIOR NUTRITIONAL CARE TECHNICIAN, COLLEGE OF MEDICINE, HERSHEY — Responsible to the Manager, Patient Nutritional Care, for the operation of the diet office and a Clinical Dietician while providing nutritional care to patients. Obtain diet preferences and information for individualized nutritional care plan. Maintain daily communication on patients' nutritional status with Clinical Dietitians and Nutritional Care Technicians. Associate degree in food and nutrition or equivalency and one to two years' effective experience.

COORDINATOR, EDUCATIONAL OPPORTUNITIES PROGRAM, WILKES-BARRE CAMPUS — Responsible for recruitment of new E.O.P. students. Provide for appropriate support services for students including counseling in areas of student aid, academic matters, personal adjustment, orientation programs. Arrange tutorial assistance as needed. Additionally, involved in the administration of the Campus Learning Support Center policies. Bachelor's degree in Student Affairs. Bachelor's degree in a field reasonably related to Educational Opportunities Program or developmental education, or equivalent organized outside study or training, plus one year and up to and including two years of effective experience.

ADMINISTRATIVE AIDE, COLLEGE OF ENGINEERING, UNIVERSITY PARK — Responsible to Department Head for routine administrative functions, particularly those pertaining to recruitment and maintenance of various reports, records, and controls. Assist in preparation of personnel and financial information. Prepare materials for proposals, questionnaires, publicity, brochures, minutes, reports and statistical data. Coordinate arrangements for distinguished visitors and visiting committees. Keep staff informed of personnel policies. Respond to inquiries from prospective graduate and undergraduate students. Maintain student and faculty computerized data base. Serve as liaison with department's technical service employees. Handle matters relating to utilization of building space, physical plant actions, parking, key control and safety. Associate degree in business administration or equivalent, plus one to two years of effective administrative experience required.

News in Brief

Free health screening available April 29, 30

The Department of Nursing, the College of Human Development and selected health agencies will sponsor a Health Fair Thursday and Friday, April 29 and 30, from 10 a.m. to 4 p.m. at the Nursing Consultation Center.

Dr. Laurie Gunter, professor of nursing and human development, explains that the fair's purpose is to provide free health screenings, promote health and prevent disease by motivating people to learn more about health and how life-style relates to health.

This will be the first health fair held in the Centre County area for several years, and it is open to all residents.

In addition to health screenings, the fair also will feature exhibits, lectures, films and student projects. Free screening tests will be provided for blood pressure, anemia, blood sugar, blood type and Rh factor, height and weight, visual acuity and hearing.

Cancer risks, heart problems, nutritional problems, marriage relations and prenatal concerns will also be assessed, Dr. Gunter notes.

Volunteer health professionals will be available to review test results, call attention to potential risk areas and answer questions on health-related topics.

Persons wishing more information about the Health Fair may call Mrs. Mae Judd at 863-0245 between 9 a.m. and noon or between 1 and 4 p.m.

Johns Hopkins historian to present colloquium

Dr. Robert Forster, professor of modern European history at Johns Hopkins University, will speak at a Department of History Colloquium slated for 3:30 p.m. Thursday, April 29, in the Memorial Lounge, Eisenhower Chapel. His topic is the Annales school of history. Interested persons are invited to attend.

Dr. Forster is the brother of the late Kent Forster, head of Penn State's history department from 1970-80. A prolific scholar, his books include *The Nobility of Toulouse in the 18th Century: A Social and Economic Study*, *The House of Savoy-Turkey: Versailles and Burgundy, 1700-1830*, *Peasants, Nobles and Rural Revolution in France, and Merchants, Landlords, Magistrates: The Depon Family in 18th Century France*.

Dr. Forster earned his B.A. at Swarthmore College, his M.A. at Harvard University and his Ph.D. at Johns Hopkins.

Roman mausoleum to be discussed by Dr. Adams

"The Mausoleum of Augustus as a Work of Religion and Propaganda" will be the topic of a lecture by Dr. John P. Adams, assistant professor of classics, Tuesday, April 27, at 8 p.m. in Room 101 Kern Building.

The talk is being sponsored by the Central Pennsylvania Society of the Archaeological Institute of America.

Challenge of U.S.-German relations is lecture topic

"German-American Relations: A Continuing Challenge" will be discussed in a public lecture on Monday, May 3, at 4 p.m. in Room 101 Kern Building by Dr. Gerhard Wettig.

Dr. Wettig is director of the Foreign Policy Research Department in the Federal Institute for Eastern and International Studies, based in Cologne, West Germany. His talk is being sponsored by the Departments of Political Science and German.



Mr. Dickenson

Park Service head to talk

Russell E. Dickenson, director of the National Park Service, will speak on "The National Park Service: Future Perspectives" Monday, April 26, at 2:15 p.m. in Room 112 Kern Building.

His talk is sponsored by the Department of Recreation and Parks.

Mr. Dickenson, a National Park Service career professional since 1946, has been director since May 1980. He manages the 333 park areas that make up the National Park Service.

A graduate of Northern Arizona University, he has served throughout the park system, beginning as a ranger. His managerial responsibilities have included the directorship of NPS's Pacific Northwest Region, the deputy directorship of the NPS, and the directorship of the NPS's National Capital Region.

He has received the Department of the Interior's highest honor, its Distinguished Service Award. Other honors include the Cornelius Amory Pugsley Gold Medal Award of the American Economic and Historic Preservation Society and the National Society for Park Resources Award.

Women's Studies seminar focuses on Freud

Dr. Judith Van Herik, assistant professor of religious studies, will speak on "Freud on Femininity and Faith" at the Women's Studies Colloquium slated for Tuesday, April 27, at 7:30 p.m. in Room 124 Sparks Building. The public is invited to attend.

Discussant for Dr. Van Herik's talk will be Dr. Isabel Knight, associate professor of history.

Dr. Van Herik, whose specialty is psychology and religion, earned all her degrees from the University of Chicago. She currently is writing a book on Freud's theories of gender as they apply to his concept of religion.

Graphics staff mount exhibit of their work

The staff of the University Graphics Services will mount a one-day exhibit of their artwork Tuesday, April 27, from 10 a.m. to 4 p.m. in the lobby of Keller Building. This display is part of the monthly staff development meetings of the Division of Learning and Telecommunications Services.

Each artist will show examples of work done for the University, as well as a selection from his or her personal portfolio. A small exhibit of standard work performed by University Graphics will be on display also.

Members of the faculty and staff are invited to look in on the show to get some idea of the capabilities of Graphics Services. Staff members will be available to answer questions.

Delaware County hosts Immigration Conference

To commemorate the tricentennial of the founding of Pennsylvania, an interdisciplinary conference on Immigration and its Impact on Pennsylvania will be held Friday and Saturday, May 7 and 8, at the Delaware County Campus.

Nine sessions have been scheduled, according to conference chairman George W. Franz, assistant professor of history at the Campus. Sessions topics are: Colonial Pennsylvania, Western Pennsylvania at the Turn of the Century, The Nineteenth Century, Immigration and the Coal Industry, Immigration in Two Regions, Immigrants and the Schools, The Impact of Immigration, Ethnic Survival in the Twentieth Century and Immigration in Post-Revolutionary Pennsylvania.

Papers will be presented by faculty members from the University of Pennsylvania, West Chester State College, Temple University, Carnegie-Mellon University, the University of Pittsburgh, California State College, Holy Family College, LaSalle College and the State University of New York at Brockport.

Penn State faculty participants include John Fentz, Kenneth Thiigen, Theodore Kiffer, Wilbur Zelinsky and Roy Buck, all of University Park, and Michael Barendse, Worthington Scranton; Stephen Couch, Schuylkill; Lita Schwartz and Natalie Isser, Ogontz; Stephen J. Cimbal, Delaware County; and Catherine Hebert and Robert Arbuckle, New Kensington.

Additional information about the conference may be had by contacting Dr. Franz at (215) 565-3300, Network: 361-2011.

The conference is being sponsored by the Pennsylvania Studies Committee of the College of the Liberal Arts, The Commonwealth Educational System, and the Colloquium for Social Philosophy of the University of Pennsylvania in cooperation with the Balch Institute for Ethnic Studies.

Pianist joins Alard for Wednesday program

Pianist Sylvia Glickman will join the Alard String Quartet for a concert on Wednesday, April 28, at 8:30 p.m. in the Music Building recital hall.

The program will include Mozart's Piano Quartet in G Minor, K. 478; Bartok's Quartet No. 5; and the Brahms Piano Quintet in F Minor, opus 34.

Ms. Glickman is pianist-in-residence, director of chamber music and an associate professor at Haverford College. A graduate of Juillard, where she won the Loeb Memorial Prize and Concerto Competition, she was a Fulbright Scholar in London and was awarded Licentiate status at the Royal Academy of Music.

The members of the Alard Quartet, all of whom are associate professors of music, are Joanne Zagst Feldman, Donald Hopkins, Raymond Page and Leonard Feldman.

Ms. Glickman and the Alard made the first recording of the Bartok Piano Quintet for Leonarda Records.

Swedish professor to visit next week

Dr. Ferenc Marton, professor of education at the University of Goteborg, Sweden, and founder of a research center, will visit University Park April 28-30.

He will present a seminar on the topic, "Learning as Conceptualized by Faculty and Learning as Experienced by Students." Arrangements for the seminar, which is sponsored by the Departments of Psychology and Educational Psychology and the Center for the Study of Higher Education, had not been completed when INTERCOM went to press. Persons wishing to attend should contact the Center at 865-6346.



Mr. Smith

Gregg Smith Singers to perform in Schwab

The Gregg Smith Singers, the most recorded chorus in America, will be the final event in the Artists Series Fine Arts program on Friday, April 30, at 8:30 p.m. in Schwab Auditorium.

The group, which has won three "Grammy" awards, is known for what Mr. Smith calls "multidimensional sound." The effect is one of live stereo music as the singers move from the stage to balcony to main floor, using a different arrangement for each piece they perform.

The Friday evening program will include works by both American and British composers, a Contemporary Choral Theatre composition, songs by Bela Bartok and Igor Stravinsky and folksongs arranged by Gregg Smith.

Tickets go on sale Tuesday, April 27, at Eisenhower Auditorium from 9 a.m. to 4 p.m. The HUB Booth will be open on Tuesday only. MasterCard/Visa will be accepted at 863-0255.

Ground Zero Week sponsors convocation

A Convocation on the Economic Impact of the Arms Race will take place tonight (Thursday) in the main hall of the Assembly Hall as the final event of Ground Zero Week.

Participants include Paul Murphy, staff researcher of the Council on Economic Priorities; Dr. James Stewart, assistant professor of economics and director of the Black Studies Program; and Dr. Marvin E. Rosen, professor of economics.

Ground Zero Week has been devoted to discussions of the impact of nuclear arms and nuclear war. It is sponsored by Eco-Action, Colloquy and the Individual and Family Studies Undergraduate Student Organization.

Three musical groups to give joint concert

The University Choir, the Symphony Orchestra and the Symphonic Wind Ensemble will present a joint concert Saturday, May 1, at 8:30 p.m. in Eisenhower Auditorium.

The Wind Ensemble will accompany the Choir on Bruckner's Mass in E Minor, and the singers will be joined by the Symphony in Poulenc's "Gloria."

The University Choir is conducted by Raymond Brown, professor of music. Associate professor Smith Toulson conducts both the Wind Ensemble and the Symphony players.

Trombonist featured with Wind Ensemble

Trombonist David Gatts will be the featured soloist for a concert by the Penn State Symphonic Wind Ensemble Friday, April 23, at 8:30 p.m. in the Music Building recital hall.

Mr. Gatts, an instructor in the School of Music, will perform Hans Ecklund's Concerto for Trombone and Wind Ensemble. Smith Toulson, associate professor of music, will conduct the program.

University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

April 22 — May 2

Special Events

Thursday, April 22
Sports: softball vs. West Virginia, 2:30 p.m.; tennis (men) vs. Maryland, 2:45 p.m.; New German Cinema, Schlondorff, Young Torres, 7 and 9 p.m., HUB Assembly Room.
URTC, *As You Like It*, 8 p.m., Playhouse Theatre. Also April 23, 24, 27-May 1, 4-8.
Ground Zero Week Convocation on the Economic Impact of the Arms Race, 8 p.m., HUB Assembly Hall.
IAHS Lecture, Dora de Pedery-Hunt, Canadian medalist, on her work, 8 p.m., Zoller Gallery.

Friday, April 23
Fourth Annual Slavic Folk Festival, 9 a.m.-10 p.m., Robeson Cultural Center. Also April 24, 9 a.m.-5 p.m.
Civil Engineering Open House, 1-5 p.m., Kunkle Lounge, Hammond. Also April 24, 3-5 p.m.
Commonplace Theatre, *Arthur*, 7 and 9 p.m., 112 Kern. Also April 24.
Cinemahèque, *PuTTY SUppeR*, 7 and 9 p.m., 121 Sparks. Also April 24.
Faculty Women's Club Newcomers Program, Wine Tasting Party for Couples, 7:30 p.m., Living Center, Human Development. Guest speaker: Robert Beelman, food science.
GSA Colloquium, 8 p.m., 102 Kern.
Penn State Symphonic Wind Ensemble concert with trombonist David Gatts, 8:30 p.m., Music Bldg. recital hall.

Saturday, April 24
Sports: tennis (women) vs. Princeton, 9:30 a.m.; lacrosse (women) vs. West Chester, 2 p.m.; golf (men), Nittany Lion Invitational, also April 25.
Artists Series, The Prince Street Players in *The Wizard of Oz*, 10:30 a.m. and 2:30 p.m., EMEX 827.
LIFE CENTER hosts annual symposium, biennial open house, 1-5 p.m., College of Earth and Mineral Sciences. Also April 25.
France-Cinema, *Rog, Mollabaut*, 7 p.m.; *Weir, Picnic at Hanging Rock*, 9 p.m., 112 Kern.
GSA Colloquium, 8 p.m., 102 Kern.

Monday, April 26
Deadline for May graduates to deliver thesis to Graduate School and for departments to certify to Graduate School completion of required papers for May graduates.
Faculty Women's Club, Spring luncheon, 11:45 a.m., Nittany Lion Inn.
Recreation and Parks Lecture, Russell E. Dickson, director, National Park Service, on "The National Park Service: Future Perspectives," 2:15 p.m., 112 Kern.

Tuesday, April 27
Division of Learning and Telecommunications exhibition of work performed, 10 a.m.-4 p.m., Keller lobby.
Comp. Lit. Luncheon, 12:15 p.m., 204 HUB.
Barton Browning, German, on "Kulturreport: English Artists at the Court of Heinrich Julius von Braunschweig," at the Heinrich Julius von Braunschweig.
Sports: tennis (women) vs. Maryland, 2 p.m.; lacrosse (women) vs. Ursinus, 3:30 p.m.; University Readers, *The Laughing Man* by J.D. Salinger, 7:30 p.m., HUB Reading Room. Also April 28.
Women's Studies Colloquium, 7:30 p.m., 124 Sparks. Judith Van Herik, religious studies, on "Freud on Femininity and Faith."
Archaeology slide lecture, 8 p.m., 101 Kern.
John P. Adams, classicist, on "The Mausoleum of Augustus as a Work of Religion and Propaganda."

Wednesday, April 28
Common Concert, noon, Kern Lobby.
Instructional Development Workshop, "Utilizing the Environment to Increase Motivation," 9:30-11 a.m., 305 HUB. Also April 29, 3-4:30 p.m.
Alard String Quartet with pianist Sylvia Glickman, 8:30 p.m., Music Bldg. recital hall.

Thursday, April 29
Nursing/Human Development, "Health Fair," 10 a.m.-4 p.m., Nursing Consultation Center. Also April 30.
New German Cinema, *Handke, The Left Handed Woman*, 7 and 9:15 p.m., HUB Assembly Room. Also April 30.
Museum of Art film, *Heroic Materialism*, 7



Rose Mary Witham watches Prof. Kapitanoff cut "potica," a Slovenian nut-filled bread. Smaller cake is cream cheese "pashka," taller, a "kulich"; Czech "kolachky" at rear.

Slavic Folk Festival has it all!

All Slavic cultures celebrate spring with colorful festivals and rituals, and the Fourth Annual Penn State Slavic Folk Festival will recreate that spirit on Friday, April 23, and Saturday, April 24.
"Last year's festival was cited by the Pennsylvania State Senate for its contribution to the Commonwealth's artistic and cultural life, and for its efforts in honoring the cultural contributions of Pennsylvania's large Slavic American population," says Lorraine T. Kapitanoff, assistant professor of Russian and festival coordinator.
"We plan an even more extensive festival this year."

The festival is cosponsored by the University's Department of Slavic Languages and the Kappa Kappa chapter of Dobro Slovo, the national Slavic studies honor society. It will take place in the Robeson Cultural Center of the Walnut Building from 9 a.m. to 10 p.m. Friday and from 9 a.m. to 5 p.m. Saturday. All events are free to the public.

The special events for Friday, April 23, are:

- morning: children's entertainment, including a puppet show, story telling, clowns and jugglers;
- afternoon: a variety show featuring the Penn State Ukrainian Club, the Penn State Slavic Dance Ensemble, and individual instrumental and vocal performers;
- evening: performances by the Penn State International Dancers and the

Interlandia Folk Dance Club; music for listening and dancing by the Dubois-based Tom Duda Orchestra with Johnny Y and a polka and waltz contest.

The special events for Saturday, April 24, will center on folk dancing. Featured performers will include a Ukrainian group from Sharon, Pa., and the Czechoslovakian-Moravian Club Dancers from Endicott, N.Y.

In addition, colorful arts and crafts from the major Slavic peoples will be on display, and the arts of pysanky — Ukrainian Easter egg decoration — and of icon painting will be demonstrated.
Visitors will not go hungry. Slovenian pastries will be available at the ethnic snack bar for breakfast and mid-morning snacks. Pashka and kulich — the Slavic equivalent of bagels and cream cheese — also will be available. Lunch and dinner dishes will include golubki (Polish cabbage rolls) and borshi and piroshki, which are small stuffed pastries.

The Penn State Slavic Folk Festival was originated in 1979 by Prof. Kapitanoff, who has served as coordinator ever since, and Dr. Thomas Magner, professor of Slavic languages and associate dean for research and graduate study in the College of the Liberal Arts.

The festival board is composed of faculty members in the Department of Slavic Languages: Sigmund Birkenmayer, James Gebhard, Linda Ivanits, Joseph Paternost and department head William Schmalstieg.

k.m., First Floor Gallery.
Kern Classics, *Lolita*, 8 p.m., 112 Kern.
Orchestra Dance Group, 8:30 p.m., White Bldg. Dance Theatre. Also April 30.

Friday, April 30
Sports: golf (men), Alumni Tournament. Also May 1.
Commonplace Theatre, *La Cage Aux Folles*, 7 p.m.; *Tess*, 8:30 p.m., 112 Kern.
Cinemahèque, *Breathless*, 7 and 9 p.m., 121 Sparks. Also May 1.
German Dept., AATG meeting, lieder concert, 8 p.m., Eisenhower Chapel memorial lounge.
Artists Series, The Gregg Smith Singers, 8:30 p.m., Schwab.

Saturday, May 1
Dairy Exposition "Show Day," 8 a.m., Dairy Barns.
German Dept., AATG meeting, 10 a.m., 101 Kern. Rio Preiner on "Marginalia on Goethe," 10:20 a.m., 101 Kern; Gene Pearson, Moravian College, on "Sophie Maerz: Last German Poet of the Goethe Age," 11:15 a.m., Lafayette College, on "Goethe and das serbische Volkslied," and Ursula Meyer, Goethe House, on "Liedermacher in Deutschland," 11:15 a.m., 208 Willard; Stanley Townsend, prof. emeritus, German, on "Goethe ohne Heiligenstein," 12:30 p.m., Penn State

Room, Nittany Lion Inn; Film, "Goethe heute," 2 p.m., 124 Sparks; Drama, "Urfurst," produced by students of German, 3 p.m., 301 HUB.
Sports: track and field (men), Nittany Lion Relays, 12 p.m.; lacrosse (men) vs. Montclair State, 8 p.m.; tennis (men) vs.

Bowling Green, Mercyhurst and Ohio, also May 2.
Blue-White Football Game, 1 p.m., Beaver Stadium.
Orchestra Dance Group, 2:20 and 8:30 p.m., White Bldg. Dance Theatre.
France-Cinema, Fassbinder, *Lili Marleen*, 7 and 9 p.m., 112 Kern. Also May 3.
University Choir, Symphony Orchestra and Symphonic Wind Ensemble concert, 8:30 p.m., Eisenhower.

Seminars

Thursday, April 22
Chemistry, 12:45 p.m., 333 Whitmore. Philip Brooks, Rice Univ., on "Studies with Molecular Beams."
Physics, 3:50 p.m., 117 Osmond. L. Smar, Univ. of Illinois, on "Numerical Relativity."
Philosophy, 4 p.m., 165 Willard. Emily Groszolt, philosophy, on "Leibniz's Conception of Truth and Scientific Method."

Monday, April 26
Learning and Telecommunications, 3 p.m., 8 Mitchell. Douglas Carter and Ross Whitcraft, WPSX, on "Classroom Instructional Television Sampler."
MC3B, 3:30 p.m., 101 Althouse. Lawrence Rosenberg, Montefiore Hospital Medical Center, on "The Role of Proteoglycans in Limb Development and Endochondral Ossification."
Entomology, 3:40 p.m., 204 Patterson. Donald Stallard, Diamond Shamrock Corp., on "Overview of Diamond Shamrock Pesticide Development."

Tuesday, April 27
Metallurgy, 9:45 a.m., 301 Steidle. F.J. Arrigada on "Characterization and Roasting Behavior of Sulfidic Pyrite and Gold Concentrates"; H.S. Kim on "Anodic Dissolution of Iron-Cobalt Alloys in Aqueous Ammoniacal Solutions"; B.M. Warnes on "Electrical Conductivity and Seebeck Coefficients in Pure and Doped Alpha-Fe₂O₃ as a Function of Temperature."
Solid Waste Management, 2:20 p.m., 128 Sackett. J.A. Lynch, forest hydrology, on "Acid Precipitation — State Monitoring Program."

Plant Pathology, 3:45 p.m., 213 Buckhout. Priscilla Parish on "DeBary — Classic #11." Genetics, 3:55 p.m., 101 Althouse. Lynne D. Jeffers on "Comparison of Reproductive Histories of Two Groups of Women in the Cayman Islands."
Engineering Science and Mechanics, 4 p.m., 242 Hammond. Jeffrey Lannin, physics, on "Raman Scattering of Thin Films."
Computation Center, New FORTRAN, 7:30 p.m., 112 Walker. Also April 29.
Computation Center, APL, 7:30 p.m., 108 Forum. Also April 29.

Thursday, April 29
Chemistry, 12:45 p.m., 333 Whitmore. John R. Stille, Colorado State Univ., on "Organic Synthesis via Organopalladium Catalysis."
Anthropology, 3:30 p.m., 107 Carpenter. Eliza Abrams on "Excavations of an Elite Residence, Copan, Honduras."
History, 3:30 p.m., Eisenhower Chapel memorial lounge. Robert Foster, Johns Hopkins Univ., on the Annals school of history.
Physics, 3:50 p.m., 117 Osmond. J. Panitz, Sandia Lab., on "Molecular Imaging in High Electric Fields."

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General Education conferees to reconvene May 7

The third phase of the Penn State Conference on General Education will begin at University Park on Friday, May 7, and continue on Saturday, May 8.

Featured speakers will be Harlan Cleveland, director of the Hubert H. Humphrey Institute of Public Affairs at the University of Minnesota, and Jerry Gaff, director of the Center for General Education of the Association of American Colleges.

The conference is co-sponsored by the Office of the President, the Office of the Provost and the University Faculty Senate.

The conference, a special forum to explore the basic academic principles of general education, began with a two-day meeting last January. During February, March and April, more than 60 continuing

programs dealing with the conference issues have been conducted by delegates from the Colleges at University Park and Hershey and at the Commonwealth

publication in the *Journal of General Education*.

Dr. Cleveland, whose appearance as keynote at the January conference, had to

The entire Conference program appears on page 7. All faculty members, academic administrators and students, as an integral part of the University's general education component, are invited to attend any of the conference sessions.

Campuses, Capitol Campus and Behrend College.

Building upon the continuing programs, faculty and staff members and students submitted more than 40 white papers and proposals for consideration by the conference steering committee. These materials were used to develop the program for the May sessions. Some of the papers also will be considered for

be canceled as the result of a blizzard, will discuss "Shouldn't We Also Be Educating for Wisdom?" at 8:30 p.m. in the Music Building recital hall. He will be introduced by President Oswald.

Dr. Cleveland's distinguished career has included service as an assistant secretary for international organizational affairs in the Department of State and as United States ambassador to NATO. He has been

dean of the Maxwell Graduate School of Citizenship and Public Affairs at Syracuse University, president of the University of Hawaii and director of the international affairs program at the Aspen Institute for Humanistic Studies in Princeton.

He is the author of several books, among them, *Ethics and Bigness*, *The Future Executive* and *The Third Try at World Order*.

In his present assignment, and previously as director of Project on General Education Models, Dr. Gaff advises colleges and universities on the development of new directions for strengthening the undergraduate curriculum. He also established a clearinghouse of information and resources on general education. He has

(Continued on page 7)

Crider, Park on Senate ballot

The Nominating Committee of the University Faculty Senate has presented its slate of electoral candidates for 1982-83. The report will be presented at the May 4 meeting, which begins at 2:10 p.m. in Room 112 Kern Building.

Candidates for chairman-elect of the Senate are Donald M. Crider, associate professor of rural sociology, and William H. Park, professor of mechanical engineering.

For secretary, the nominees are Paul R. Shellenberger, professor of dairy science, and Eugene R. Slaski, associate professor of history at Allentown.

From the following list, one candidate is to be elected to the Faculty Advisory Committee with a term to expire in 1985: Herbert Cole Jr., professor of plant pathology; Jerry B. Covert, associate professor of biology at Hazleton; Caroline D. Eckhardt, associate professor of English and comparative literature; and Robert Jennings Heinsohn, professor of mechanical engineering.

Two regular candidates and one alternate for three-year terms on the Faculty Rights and Responsibilities Committee were named from University Park. They are Arthur K. Anderson Jr., associate professor of architecture; Ernest L. Bergman, professor of plant nutrition; J. Russell Ezzell, head and associate professor of finance; Theodore E. Kiffer, director of the General Education Program; Robert O'Connor, associate professor of political science; and Robert F. Schnalz, professor of geology.

From campuses other than University Park, one person is to be elected as an alternate for a three-year term. Candidates are Albert J. Miles, assistant professor of English at Ogonitz; August H. Simonsen, assistant professor of environmental sciences at McKeesport; Robert T. Tauber, assistant professor of education at Behrend College; William A. Welsh Jr., associate professor of engineering at Capitol; and T.D. Wilkinson III, associate professor of engineering at Mont Alto.

Two deans, one a regular and one an alternate for three-year terms, will be chosen. Candidates are Theodore L. Cross, Capitol; Evan G. Pattishall Jr., Human Development; and Samuel H. Smith, Agriculture.

(Continued on page 3)



From left: Mrs. Frisbey, Mimi Barash Coppersmith, Prof. Bland, President Oswald, Dr. Barkman.

Frisbey, Bland, Barkman win awards

It was the students themselves who supplied the most enthusiastic nominating letter for Ardeth Frisbey, assistant director of International Student Affairs and the 1982 recipient of the John E. Wilkinson Award for Administrative Excellence.

"She is known and remembered with respect and love in at least 100 countries in the world," they wrote. "We cannot think of any other nominee who can be evaluated more highly. If there is, Penn State must be truly fortunate to have so many 'hidden angels.'"

Mrs. Frisbey's association with Penn State's foreign students began in 1963—and typically, she started out working as a volunteer. She came to University Park from Michigan State University, where she earned her B.S. in chemistry and had been engaged in horticultural research.

After formally joining the staff in 1964 as an administrative aide, Mrs. Frisbey took on the responsibility of seeing that the documents which international students must have—in respect to immigration, finances, visas and the like—were in good order.

At the time, there were approximately 300 international students; today their number has grown to between 1,600 and 1,700.

"Our office interfaces with all of the offices on campus concerned with student affairs," Mrs. Frisbey notes. "We work with the Bursar, for example, in billing sponsored students. We deal constantly with various embassies and consulates to help students get their passports

(Continued on page 7)

"I've never assumed that people aren't supposed to have a sense of civic responsibility," says this year's winner of the Barash Award for Human Service.

"You make time to fulfill your obligations, however you perceive them," Richard E. Bland continues.

An associate professor of engineering research and a member of the faculty since 1951, Mr. Bland earned his B.A. at Hiram College and his M.S. at the University of Michigan. At ARL, his professional interests have included work in underwater acoustics, noise and vibration control and hydrodynamics.

Outside of ARL, Mr. Bland is probably best known for his work in fire

(Continued on page 6)

Superlatives come naturally to persons who work closely with Dr. Oscar C. Barkman, executive secretary of the University Faculty Senate and winner of this year's McKay Donkin Award.

The award recognizes exceptional contributions to the "economic, physical, mental or social welfare of the faculty."

"He is a rare person in this large system—an enabler," is the way five recent and present Senate leaders describe Dr. Barkman, and they add:

"Beyond this, Dr. Barkman's a healer. Students, angry with rules or confused by procedures, come to his office. . . His gentle good humor, avuncular tone, and knowledge of the system can untangle the

(Continued on page 6)

A Statement

The *Collegian* and the *Centre Daily Times* both report that a self-appointed faculty group plans to launch a petition drive asking for postponement of the on-schedule calendar conversion. The same group is reported as planning to establish an information clearinghouse on the semester calendar.

While any faculty member or group of faculty members has the right to engage in activities within their time and resources, the University Faculty Senate is the appropriately organized faculty group delegated responsibility by the University Trustees for such matters as curricula. The Faculty Senate discussed, in a forensic

session, the proposed calendar conversion in November of 1980 and has been kept

A chronology of calendar changes and discussions during the last 25 years will appear in the next issue of INTERCOM.

fully informed of all calendar events since that time. Many committees of the Senate are engaged in calendar change activities.

A study of the chronology of the term calendar since its introduction demonstrates that it was modified within a year of its adoption and has been a

(Continued on page 3)

Penn Staters

Dr. Allan Rodgers, professor of geography, has been awarded his second Fulbright Grant for research in Italy. He has also been appointed as a Distinguished Visiting Professor at both the Institute of Economic Geography and the Institute of Urban Studies of the University of Rome. While on sabbatical leave in Italy next winter and spring, he will be engaged in collaborative research with Italian scholars on "Transport Axes, Accessibility and the Diffusion of Economic Development in the Northwestern Margin of the Italian South."

Charles W. Mann Jr., librarian, Special Collections, and professor of English, presented an invited lecture at the Yale Center for British Art. His topic was "The Jury Photographs for the Great Exhibition of 1851."

Kenneth R. Beittel, professor of art education and Fellow, IAHS, was one of 25 potters invited to participate in a national exhibition entitled "Continuity and Change: Three Generations of American Potters," at the Southern Alleghenies Museum of Art, March 27 to May 16. This exhibition was made possible by grants from The National Endowment for the Arts and from The Pennsylvania Council on the Arts. Exhibitors were asked to choose an "important teacher" and a "student doing significant work," and pieces by them were included in the show. In Dr. Beittel's case, the teacher is Manji Inoue of Arita, Japan; the student is Dr. Larry Jordan of Florence, S.C.

Dr. Henry P. Sims Jr., professor of organizational behavior, and **Dr. Laura S. Sims**, associate professor of human nutrition in public health, have accepted visiting faculty appointments at Stanford University for the 1982-83 academic year. Henry Sims will be a scholar in residence at Stanford's graduate school of business, while Laura Sims will be a visiting professor in the medical school.

Dr. Dorothy V. Harris, professor of physical education and director of the Center for Women and Sport, will receive a 1982 Distinguished Alumni Award from the University of North Carolina on May 15.

Raniero Corbelli, professor and head of architecture, has been awarded the 1981 National Institute for Architectural Education (NIAE) Special Grant for Faculty Research. The \$10,000 grant will support his research on the educational systems in architecture in this country and Great Britain, which he began during a recent sabbatical leave.

Professor Corbelli's proposal was selected by a panel of architects from among 39 entries representing 29 institutions of higher education in this country and abroad.

A Penn State monograph on "State Legislation Affecting Community and Junior Colleges, 1980" has been honored by the National Council of Colleges and Universities as "the best and most significant 1981 research publication in the field." It was written by S.V. Martorana, professor of education, and James K. Bromall, a graduate assistant in the Center for the Study of Higher Education.

Robert Ginsberg, professor of philosophy at Delaware College, has been named a Lilly Fellow at the University of Pennsylvania, where he will attend a postdoctoral seminar on photography. He will exhibit his nature photography at the 1982 meeting of the American Society for Aesthetics in Banff, Alberta, Canada. In May, he will visit Lincoln University as program evaluator to assess courses in philosophy and religion.

Peirce Lewis, professor of geography, delivered an invited lecture to the Department of Architecture at Massachusetts Institute of Technology. He discussed "The Importance of Ordinary Things," arguing that apparently insignificant common artifacts can shed light on vernacular history which conventional documentary materials cannot. Professor Lewis also visited the University of Miami in Coral Gables, where he lectured on his continuing research on "The New American City."

Dr. Lewis has been appointed by the Association of American Geographers to serve as a member of its Visiting Geographical Scientist program, through which nationally known geographers visit small campuses with limited geographic offerings. Under VGS sponsorship, Dr. Lewis spoke to the Department of History at York College, the Department of Art at Franklin and Marshall College, and the Departments of Geography at Millersville State College and at Central Connecticut State College in New Britain.

Dr. Craig F. Bohren, associate professor of meteorology, and **Dr. Turgay Ertekin**, assistant professor of petroleum and natural gas engineering, have received the 1982 Matthew J. and Anne C. Wilson Outstanding Teaching Awards of the College of Earth and Mineral Sciences. Now in their 14th year, these \$1,000 awards are made possible by the Matthew J. and Anne C. Wilson Trust Fund.

Dr. Bohren has a B.S. in mechanical engineering from San Jose State University; and an M.S. in nuclear engineering and a Ph.D. in physics from the University of Arizona. After post-doctoral research at University College, Cardiff, Wales, he joined the Penn State faculty in 1980. A consulting editor of *Weatherwise*, he co-authored a soon-to-be-published book, *Absorption and Scattering of Light by Small Particles*. He teaches courses in radiative transfer, bioclimatology and elementary meteorology.

Dr. Ertekin has a B.Sc. and an M.Sc., both in petroleum engineering, from the Middle East Technical University, Ankara, Turkey, and a Ph.D. in petroleum and natural gas engineering from Penn State, where he was named to the faculty in 1978. His research interests include development of mathematical models for reservoir engineering, development and application of enhanced oil recovery techniques and in-place degasification of coal seams. He is co-author of a book, *Gas-Well Testing: Theory, Practice, and Regulations*, and of a dozen journal articles. He is helping to organize and will lecture at the NATO Advanced Study Institute on Heavy Oil Recovery to be held in Ankara this summer and has lectured at two conferences in Caracas, Venezuela.

Two books by Dr. Stanley Rosen, professor of philosophy, have just been issued in paper-back editions by the Yale University Press. They are *Nihilism* and G.W.F. Hegel: *An Introduction to the Science of Wisdom*. Both were originally published by Yale, the first in 1969, the second in 1974.

Dr. Geoffrey Godbey, professor of recreation and parks, delivered the Shell Oil lecture at the University of Salford, Salford, England. His topic was "The Future of Leisure in North America."

Joseph L. Cavinato, associate professor of business logistics, is the author and editor of *Transportation-Logistics Dictionary*, published by Traffic Services Corp., Washington, D.C. Dr. Cavinato has expanded the second edition of this dictionary by some 14 percent, and it now includes approximately 5,800 regular entries.

Dr. Donald J. Willower, professor of education in the Division of Education Policy Studies, has been appointed to the editorial board of the *Journal of Educational Administration* and re-appointed to a second term on the editorial board of *Educational Administration Quarterly*.

Dr. Z.T. Bieniawski, professor of mineral engineering and director of the Mining and Mineral Resources Research Institute, was an invited lecturer last month at the University of Wisconsin. Under the auspices of the Department of Engineering and Applied Science, he discussed "Support Systems for Underground Excavations."

R. Thomas Berner, assistant professor of journalism, is the author of *Editing* (Holt, Rinehart and Winston). The 244-page textbook is one of the first written from the viewpoint of an editor using computerized news delivery and editing systems. The textbook also includes photographs by Professor Berner.

Dr. H.L. Barnes, professor of geochemistry and director of the Ore Deposits Research Section, gave an invited lecture, "Dewatering of Sedimentary Basins and the Origin of Mississippi Valley-Type Ore Deposits," to the Department of Earth and Planetary Sciences at the Massachusetts Institute of Technology.

During a recent visit to Japan, he spoke to the Mining Society of Japan in Tokyo on "Implications of Geothermal Systems to Hydrothermal Ore Formation," and at the International Symposium on Hydrothermal Reactions in Machida, on "Experimental Determination of Rates of Hydrothermal Reactions."

Twenty pieces from Richard Hamwi's show, "Works on Paper," recently on display at the Museum of Art, are being exhibited at Vassar College's Print Room Gallery through June 6. Mr. Hamwi is an instructor in the School of Visual Arts.

Dr. C.A. Wegner, assistant professor of astronomy, presented a colloquium to the Department of Physics and Astronomy at the University of Montreal on "White Dwarfs with Carbon in Their Atmospheres."

Edward S. Beck, counselor and affiliate instructor of psychology and social science at Capitol Campus, was named president-elect for 1982-83 of the American Mental Health Counselors Association (AMHCA), a division of the 40,000-member American Personnel and Guidance Association.

Richard Z. Hindle, assistant professor of labor studies, was elected to a two-year term as president of the University and College Labor Education Association at its annual meeting in Boston. The Association is made up of labor educators from 44 universities and colleges.

Appointments

Charles Lupton, executive director of the Office of Gifts and Endowments, has been appointed special assistant to the senior vice president for administration. Dr. Richard E. Grubb, effective May 1.

"Mr. Lupton's major responsibility will be to expand and intensify his already outstanding efforts of identifying and working with major individual donors to the University," says President Oswald. Mr. Lupton will work in close cooperation with the vice president for development.

"During Mr. Lupton's 19 years of service on behalf of Penn State," Dr. Oswald continues, "private contributions to the University have increased from \$1.8 million annually to \$11.5 million and the number of gifts has increased from approximately 10,000 to around 50,000 yearly. This great growth is due in large part to Mr. Lupton's exceptional efforts and dedication."

A 1940 alumnus of the University, Mr. Lupton joined Penn State in 1963 as director of the Development Fund. He was named executive director of the Penn State Foundation the following year, with responsibility for fund raising activities.

Dr. Gary L. Mullen, associate professor of mathematics at Shenango Valley, has been named assistant dean for Commonwealth



Mr. Lupton



Dean Mullen

Campus and Continuing Education in the College of Science.

A member of the Campus's faculty since 1975, Dr. Mullen received his B.S. in mathematics from Allegheny College in 1969. He earned his M.A. and Ph.D. degrees in the same field from Penn State in 1970 and 1974, respectively.

Dr. Mullen has published some 20 articles and papers in the area of algebra and number theory in European and American professional journals.

He succeeds Dr. Joseph M. Lambert, who has been named head of the Department of Computer Science.

Promotions

Faculty

Rafiq Dossani to assistant professor of finance in Business Administration.

Staff Exempt

Nadine B. Albany to assistant extension agent in Agriculture.
Phoebe R. Bittler to assistant extension agent in Agriculture.
Claudia M. Cross to assistant extension agent in Agriculture.
Kelly M. Grotzinger to research support assistant at Hershey.

Susan J. Hansen to assistant dining hall supervisor in Housing and Food Services.
Naomi V. McCamley to administrative aide in Business Administration.
Robert L. McDowell Jr. to senior engineering aide in Applied Research Lab.
Edward E. Minshall to head, publications and public information in Continuing Education.

Thomas A. Moore to systems analyst in Management Services.
Deborah L. Nanni to applications programmer/analyst in Management Services.

William M. Peck to senior engineering (Continued on page 3)

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Louise D. Wartik, Editor
C. Thomas Ressler, Associate Editor
Diane M. Lusk, Editorial Assistant
Calendar Editor - 865-2501

(Continued from page 2)
aide in Applied Research Lab.
Fred D. Ott to senior engineering aide in Applied Research Lab.
Dale J. Sackdier to senior engineering aide in Applied Research Lab.
Steven F. Williams to scientific photographic editor in Agriculture.

Staff Non-Exempt

Rita Brinkman to senior staff nurse at Hershey.
Debra P. Fehr to senior staff nurse at Hershey.
Gloria S. Forti to licensed practical nurse/meds at Hershey.
Cindy L. Helms to licensed practical nurse/meds at Hershey.

Clerical

Carol L. Bitner to senior security clerk in Applied Research Laboratory.
Nancy Christy to secretary B at McKeesport.
Susan W. Deaven to secretary 8 at Hershey.
Julia S. Gibbonney to clerk, medical records A in Health Services.
Donna J. Neideigh to senior accounting clerk in Controller's Office.
Karen J. Packer to secretary B in Agriculture.

Technical Service

Dennis M. Bauer to dining hall worker A in Housing and Food Services.
Neil B. Kimerer Jr. to utilities analyst in Physical Plant.
Richard L. Krout to group leader, greenhouse technician in Agriculture.
Philip C. Lucas to maintenance mechanic (Food Services Equipment) in Housing and Food Services.
David N. McCloskey to instrument maker-helper in Science.
Thomas Shutt to maintenance worker utility in Physical Plant.
Scott Smith to maintenance worker utility in Physical Plant.
William J. Wasko Jr. to community service officer at McKeesport.
Mildred I. Zimmerman to escort service aide at Hershey.

Retirement



Wayne Bechdel, associate dean for continuing education in the College of Arts and Architecture, retired March 31 after more than 30 years with the University.
Beginning as director of personnel records in Personnel Administration, he held a variety of positions, serving as area representative in continuing education and director of the Conference Center.
In 1969, he was named assistant dean for continuing education and public service in the College of Arts and Architecture and was appointed associate dean in 1981.
As director of the Conference Center, he was involved in the planning of the J. Orvis Keller Conference facility. During his tenure, the number of conferences and participants tripled at University Park.
Dean Bechdel was instrumental in the initial planning and operation of three award-winning conferences sponsored by the College of Arts and Architecture. The Zoning Game won a creativity award from the National University Extension

Association (NUEA). Region II NUEA Conference Awards were presented to Financial Management for Arts Organizations and to SuperMud: A Three Day Conference.

The latter conference, Dean Bechdel notes, began as Pottery East-Pottery West in 1967 with 35 participants. The 1979 SuperMud drew 2,300 persons, including Joan Mondale.

Dean Bechdel has himself received two awards. NUEA presented him with the Stanley C. Robinson Distinguished Service Award in 1980, and this month he was named a Fellow of Extension in recognition of distinguished achievements in extension education by the National University Continuing Education Association.

Carpoolers

Neda Wilson needs a ride from Hilltop Park to Wagner Building, where she works from 8 a.m. to 5 p.m. She can be reached at either 865-3467 or 238-3643.

Obituaries

J. Stanley Cobb, an associate professor of agronomy at his retirement in 1957, died April 16 at the age of 91. He came to Penn State as an instructor in 1919.
Ralph F. Harbach, an administrative aide in the College of Engineering since 1969, died April 17. He was 66.

Statement

(Continued from page 1)
subject of discussion and dissatisfaction on many occasions in the last two decades.
In the September, 1980, letter to the University community, as well as in prior discussions, President Oswald acknowledged his own calendar preference. He also stated on a number of occasions that not all members of the University community would agree with his calendar preference. All members of the University community were encouraged "to consider and discuss widely the prospect of a calendar conversion." A number of individuals and groups responded to that invitation and offered their views on the calendar question. As was to be expected, some favored the semester calendar; others preferred to stay on the term calendar. The records demonstrate the diversity of opinion that could have been predicted.
The University Council and the deans of the colleges reported differences of opinion about the calendar conversion. Most of the deans noted that their faculties were divided on the issue. No college dean suggested that a semester calendar was impossible at Penn State nor did any college dean predict damage to the instructional or research role of the University.

As chairman of the Calendar Conversion Council, I can state that nothing has occurred in the last year to suggest a need for reconsideration of the decision to change to an early semester calendar in the fall of 1983. Members of the Calendar Conversion Council and of its Communications Committee consistently and regularly report that the conversion process is on schedule and that no insurmountable problems have emerged. The view that the calendar change is doing damage to the University may be a sincerely held opinion, but no evidence in support of that view has been offered.

James B. Bartoo, Chairman
Calendar Conversion Council



Ralph Zilly, vice president of business, congratulates William Urban, McElwain Dining Hall, on completing 20 years of service without using a sick day. Mr. Urban was honored by the McElwain employees and William McKinnon, assistant vice-president, Housing and Food Services. Mr. Urban, right, was presented a letter from President Oswald congratulating him on his outstanding achievement.

Senate

(Continued from page 1)
Members of the Nominating Committee are Priscilla Allison, Arthur K. Anderson Jr., Peter Bennett, John Cahir, Herbert Cole Jr., Caroline Eckhardt, Herberta Lundegren, Frederick Lampe, Benjamin Lane, Alphonse Leure-duFree, Louisia Marshall, Patricia Overdeer (chairman), William H. Park and William A. Welsh Jr.
The following nominating report will be submitted by the Committee on Committees and Rules:
For the Standing Joint Committee on Tenure, one regular and one alternate candidate to be elected to two-year terms. Candidates are: Raymond A. Ayoub, Science; Chauncey A. Morehouse, Health, Physical Education and Recreation; Lee W. Saperstein, Earth and Mineral Sciences; and Sara L. Whildin, Delaware County.
For the University Promotion and Tenure Review Committee, three persons to be elected to two-year terms. Candidates are: Joseph H. Britton, Human Development; George H. Conner, Medicine; Anthony V. Galanti, Hazleton; Charles G. Haas, Science; George R. Hudson, Education; Herberta M. Lundegren, Health, Physical Education and Recreation; and Carolyn W. Sherif, Liberal Arts.
Several legislative reports are on the Senate docket.
Committees and Rules has proposed changes in the *Standing Rules*, moving the Senate meeting time from 2:10 to 1:10 p.m. for the greater convenience of Senators from outside University Park. Senators will be notified in advance of the year's scheduled meetings to facilitate planning.
A legislative report from the Special Committee on Grade Adjudication rejects a formal appeal procedure. Instead the Committee recommends that:
"The faculty of each college and campus shall establish a college/campus-wide mechanism for discussion and possible resolution when a student and a faculty member are involved in a disagreement over grades which has not been resolved by other means."
The Committee suggests faculty members consult the model developed by the College of the Liberal Arts' Good Offices Panel.
To deal with cases where clearly unprofessional action has been taken by a faculty member, the Committee recommends a codification for the present *ad hoc* procedures.
Under unfinished legislative business, Senators will vote on a change in the *Bylaws* enabling the Senate Council to

select nominees for election to the post of Senate Chairman-Elect in the event of a vacancy occurring in that office.
Two other reports will be presented to the Senate. Faculty Affairs is offering recommendations on sabbatical leave policy. Undergraduate Instruction suggests that, since no sizeable body of opinion has supported changes in physical education, further discussion of compulsory courses requirements in this curriculum await a general discussion of baccalaureate degree requirements.

Staff Vacancies

There are positions in certain work units that, because of the large number of such positions, frequently are still available after employees in the work unit have been considered. They are listed below and will not be listed on an individual vacancy basis. Application for such positions may be made at any time, and you are welcome to make your interests known now to the Employment Division for future consideration when such vacancies occur. These positions are:

POSITION TITLE	LOCATION
Assistant Food Supervisors	Housing and Food Services
Computer Operators	Intercollege
Shifts: 8 a.m. to 4:30 p.m. 4:30 p.m. to 1 a.m. Midnight to 8 a.m.	Research Programs
Programmers	Management Services
Research Aides	Agriculture
Cardiology Technicians	Hershey
Clinical Laboratory Assistants	Hershey
Clinical Laboratory Technologists (HEW)	Hershey
Critical Care Monitoring Technicians (Jr. & Sr. Levels)	Hershey
Cyto-Technicians	Hershey
Licensed Practical Nurses	Hershey
Medical Technologists (ELA, MLT, CLT, HEW)	Hershey
Nuclear Medical Technicians	Hershey
Perfusionists	Hershey
Pharmacists	Hershey
Physical Therapists	Hershey
Physician's Assistants	Hershey
Psychiatric Assistants	Hershey
Radiology Technicians	Hershey
Research Technicians (Jr. & Sr. Levels)	Hershey
Respiratory Therapy Technicians	Hershey
Staff Nurses	Hershey

Health Service honors Ritenour staff nurse

The University Health Service, in cooperation with the staff of Ritenour Health Center, will honor Jacqueline Mulfinger for her years of service on Thursday, May 6 — National Nurse Recognition Day.
Mrs. Mulfinger, a staff nurse, joined Ritenour in 1965. Since 1972, she has run the East Halls Clinic, located in Johnston Hall. She is a graduate of State College High School and the Metropolitan Hospital School of Nursing.

News in Brief



Dr. Smith

Yale scholar to give Dotterer Lecture

Dr. John E. Smith, Clark Professor of Philosophy at Yale University, will present the Department of Philosophy's 13th Annual Dotterer Lecture Thursday, May 6, at 7:30 p.m. in Room 101 Kern Building. Dr. Smith's topic is "Being and Willing."

A specialist in American philosophy and the philosophy of religion, Dr. Smith is a former chairman of the Yale philosophy department and former director of the National Humanities Institute at Yale.

He is the author of a number of influential books, including: *The Spirit of American Philosophy, Reason and God, Religion and Empiricism, Experience and God, Themes in American Philosophy, Contemporary American Philosophy, The Analogy of Experience and Purpose and Thought: The Meaning of Pragmatism.*

Dr. Smith, who serves on the editorial boards of five journals, has held a number of distinguished lectureships. Among them: Dudley Lecturer, Harvard; Hoover Lecturer, University of Chicago Divinity School; Suarez Lecturer, Fordham; Public Lecturer, Kings College, University of London; Winston Churchill Lecturer, University of Bristol; and Warfield Lecturer, Princeton Theological Seminary.

Dr. Smith is a past-president of the American Philosophical Association, the American Theological Society, the Metaphysical Society of America and the Hegel Society of America.

He earned his B.A. and Ph.D. from Columbia University and a B.D. from the Union Theological Seminary. He has received an honorary LL.D. from the University of Notre Dame and has been named an honorary alumnus of the Harvard Divinity School.

The Dotterer Lecture Series was established by Penn State's Department of Philosophy to honor the late Ray H. Dotterer, who served as head from 1938 to 1947.

Augustan era to be discussed by Dr. Gruen

Dr. Erich S. Gruen, professor of ancient history at the University of California at Berkeley, will speak on "Augustus and the Ideology of War and Peace" Wednesday, May 5, at 8 p.m. in Room 101 Kern.

A distinguished historian on ancient Rome, Dr. Gruen is known for his series of studies on the uses of the Roman court system as weapons of politics during the late Roman Republic. His studies on Roman foreign policy, with special reference to the wars against the Macedonians, have also drawn acclaim.

The lecture is sponsored by the Department of History and the Institute for the Arts and Humanistic Studies.

Cooperative research opportunities are available for faculty with Kennametal

Three executives of Kennametal, a leading powder metallurgy and tooling system company, recently visited University Park, seeking to strengthen the company's ties with Penn State through cooperative research programs.

The visit was made under the auspices of the Office of Industrial Research and Innovation, which was organized two years ago to help University faculty members establish research and instructional ventures with industry.

Meeting with engineers and scientists in the Materials Research Laboratory and in the Colleges of Engineering, Earth and Mineral Sciences, and Science, David Arnold, Kennametal vice president and director of technology, invited faculty members to visit his company's facilities in Latrobe or Greensburg.

With plants in Pennsylvania and North Carolina, Kennametal spends about \$10 million each year on research and development. Its products include mining and construction bits and other cutting tools made from niobium, tantalum,

tungsten, titanium carbide and other materials.

Kennametal's research interests lie in ceramic coatings, rapid solidification, coatings diffusion, surface reactions, phase diagram study, substitutions for cobalt, computer-integrated manufacturing, robotic machining and techniques for recording tool wear during machining.

Anyone interested in learning about some of the specific discussions may contact the following faculty members: T.S. Tsong, Bruce Knox, Edward Klevans, Richard Tressler, Joseph Sommer, John Hoke, George Simkovich, Paul Howell, Wilbur Meier, James Biggers, Norman Macmillan, Russell Messier, Clayton Ruud, or Karl Spear.

Faculty members who might be interested in visiting Kennametal's facilities, preparatory to discussing cooperative research ventures, may contact John Davis or James Lundy of the Office of Industrial Research and Innovation at 865-9519.

Prevention of nuclear war will be topic addressed by sociobiologist in May 4 talk

Sociobiologist David Barash, author of the best-selling *The Whisperings Within*, will speak on "Preventing Nuclear War: Revising the Neanderthal Mentality" Tuesday, May 4, at 7:30 p.m. in Kern Building auditorium.

"Dr. Barash is coming to Penn State to release a major new statement on human evolution and the threat of nuclear war," says Dr. Gerald Phillips, professor of speech communication and coordinator of Dr. Barash's visit.

"Dr. Barash believes that humans have now reached the point in their evolution, where aggressive tendencies must be controlled and even reversed in order to prevent nuclear destruction of the species," Dr. Phillips continues.

"He will discuss how our language polarizes us and how our urgency to win leads us to ways of thinking and talking that make it impossible for us to confront our desperate peril. He will also discuss

hopeful signs in Europe of the possibility of modification."

After the talk, the audience is invited to a reception for Dr. Barash in the Kern Assembly Room. The reception is being sponsored by the Central Pennsylvania Chapter of the World Future Society.

Dr. Barash earned his Ph.D. at the University of Wisconsin. He is now professor of zoology and psychology at the University of Washington in Seattle. He is the author of many articles and several books on sociobiology, including the forthcoming second edition of the text *Sociobiology and Behavior*.

His visit is being sponsored by the Department of Speech Communication, the Ecology Program, the Office of the Liberal Arts Associate Dean for Research and Graduate Study and the University Scholars Program. Additional support for his speech has been received from a number of local and religious groups.

Two instructors to present guitar recital

Guitarist Anne Waller, an instructor of music, will present a recital Tuesday, May 4, at 8:30 p.m. in the Music Building recital hall. Ms. Waller will be assisted for part of her performance by Mark Maxwell, a guitarist and lutenist who is a part-time instructor.

Ms. Waller will perform Fernando Sor's Introduction and Variations on "Malbruno s'en va-en guerre," two sonatas by Domenico Scarlatti, and Enrique Granados' "Valse Poetico." Mr. Maxwell will join Ms. Waller in

William Lawes' Suite for Two Guitars, Sor's "Souvenir de Russie" and "Micro Piezas" by Leo Brower.

The two musicians performed in the Dallas-Fort Worth area in March, giving concerts at North Texas State University, Texas Christian University and Eastfield Junior College. Ms. Waller has just returned from New York City, where she was a performer with the Segovia Master Class sponsored by the Metropolitan Museum of Art and the Spanish Institute.

Experiential learning advocate to talk

Dr. Morris T. Keeton, president of the Council for the Advancement of Experiential Learning (CAEL), will present a public talk, "Effective Uses of Experiential Learning in Instruction," Thursday, May 6, at 2:15 p.m. in Room 402 Keller Building.

His visit is being sponsored by the College of the Liberal Arts, the Center for the Study of Higher Education and the Commonwealth Educational System.

Thursday morning, Dr. Keeton will meet with members of the faculty and staff and administrators who want to learn more about CAEL's activities and programs. Persons wishing to schedule appointments should contact Dr. Carl Lindsay at 865-7679.

Experiential learning is based on the premise that individuals should receive credit and recognition for learning acquired outside formal channels.

The Council for the Advancement of Experiential Learning is an association of colleges, universities, service agencies, corporations and individuals. It is supported by membership fees and grants from the Kellogg Foundation, the Lilly Endowment, the Fund for the Improvement of Postsecondary Education, the Babcock Foundation and the Ford Foundation.

Dr. Keeton, who received B.A. and M.A. degrees in philosophy from Southern Methodist University and M.A. and Ph.D. degrees in philosophy from Harvard University, taught at SMU and Antioch College, serving for one year as acting president of the latter institution.

The author of three books, he has been associated also with the American Friends Service Committee, the American Association for Higher Education, and the American Philosophical Association.

German Department marks Goethe anniversary

The Department of German has planned a number of special events in honor of the 150th anniversary of the death of Johann Wolfgang Goethe in connection with its hosting of the April 30-May 1 meeting of the Central Pennsylvania Chapter of the American Association of Teachers of German.

An exhibit, "Goethe in the Allison/Shelley Collection," has been prepared by Librarian Charles W. Mann Jr. in Patten's Rare Books Room.

Pianist Phyllis Triolo and soprano Barbara Hess will present a lieder recital Friday, April 30, at 8 p.m. in Eisenhower Chapel's Memorial Lounge.

On Saturday, Dr. Rie Preiser, professor of German, will deliver the principal address: "Marginalien zu Goethe," at 10:20 a.m. in Room 101 Kern Building.

Dr. Stanley Townsend, professor emeritus of German, will be the luncheon speaker, discussing "Goethe ohne Heiligenschein." The meeting will conclude with a production by German Department students of Goethe's *Urfurst*, at 3 p.m. in Room 301 HUB.

"As You Like It" on stage at Playhouse

One of America's leading scenic designers, William Joseph Eckart, has designed the sets for the production of *As You Like It* currently running at the Playhouse Theatre.

Shakespeare's comedy about love and lovers will be on view Saturday, May 1, and Tuesday through Saturday, May 4, with curtain times at 8 p.m.

The play is being directed by Robert E. Leonard, who rejoined the theatre arts faculty last fall as artistic director of the University Resident Theatre Company and the Pennsylvania Festival Theatre.

Mr. Eckart is currently a professor and head of the design program at Southern Methodist University. He has designed scenery, costumes and lighting for more than 40 Broadway productions, including such hits as *Damn Yankees*, *Li'l Abner*, *Out Upon a Mattress*, *Theme and Of Mice and Men*.

Penn State theatre-goers have previously admired Mr. Leonard's directing efforts in such plays as *Born Yesterday*, *The Sunshine Boys*, *On Golden Pond* and *The Last Meeting of the Knights of the White Magnolia*.

For ticket information and reservations, patrons should call the URTC box office at 865-1884.

Women in Law panel sponsored by Colloquy

Colloquy will sponsor a panel discussion on "Women in the Law" Monday, May 3, at 8 p.m. in the HUB assembly room.

Panelists include Ann Steinberg, treasurer of the District of Columbia Bar Association; Dr. Marina Angel, a faculty member at the Temple University School of Law; and Judge Lynne Abraham of the Court of Common Pleas in Pennsylvania.

Governor hails Festival

Last weekend's Fourth Annual Penn State Slavic Folk Festival didn't go unnoticed by Gov. Dick Thornburgh.

In a letter to festival organizer Prof. Lorraine Kapitanoff, the Governor commended "the Department of Slavic Languages at Penn State and the members of the Kappa Kappa chapter of Dobro Slovo for your outstanding efforts to preserve the values of the Slavic heritage."

Three trustees to be elected by alumni

Balloting has begun for three alumni positions on the University's Board of Trustees.

Ten graduates of Penn State have been nominated for three-year terms by their fellow alumni for the positions, according to Dr. Richard E. Grubb, senior vice president for administration. They are:

- Edward R. Book of Hershey, class of 1954, chairman of the board and chief executive officer of the Hershey Entertainment & Resort Company;
- Mimi Barash Coppersmith of State College, class of 1953, president of Barash Advertising and Morgan Signs and publisher of *Town & Gown* and *Where & When* magazines;

- Glenn W. Gamble of Bernardsville, N.J., class of 1951, director of career development at Rutgers University;
- Kenneth L. Holderman of State College, class of 1931, vice president emeritus for Commonwealth Campuses at Penn State;

- Alan S. Krug of State College, class of 1955, president of A'SK Associates;
- Robert D. McCarthy of Aaronsburg, class of 1954, professor of food science in the College of Agriculture at Penn State;

- Frank J. Muraca of Dunmore, class of 1975, trial attorney in the Scranton law firm of Geroulo, Kutha, Zipay & Muraca and business manager of the borough of Dunmore;

- Barry Lee Myers of State College, class of 1967, associate professor of business law at Penn State and general counsel of Accu-Weather, Inc.;

- Ronald J. Salešky of Miami, Fla., class of 1968, a manager for the Florida Power and Light Company; and

- M. Maxwell Smith of Lancaster, class of 1936, retired Penn State extension agent for Lancaster County.

Clause to aid faculty inventors

More university inventions from federally supported research should reach the market now that the government has adopted a uniform Patent Rights clause.

According to Robert F. Custard, University patent counsel, all government grants and contracts will contain a standard clause giving universities the right to retain ownership of inventions from projects supported by federal agencies.

"This should smooth the path for faculty inventors," explains Dr. Custard. "In the past, patent ownership during lengthy processing was often uncertain. Ownership depended on a patchwork quilt of regulations since each agency had its own policy."

In 1980, Public Law 96-517 mandated a uniform policy, now defined by regulations. Implementation of these regulations, evaluation of effect on innovation and an information clearinghouse function have been assigned to the Department of Commerce.

Dr. Custard notes that patent licensing on a limited-term, exclusive basis is permitted, which should improve university-industry technology transfer and provide incentive for industry to risk development of university-generated inventions. Often, substantial private investment is required to perfect an invention for the market.

The new regulations should also stimulate university-industry cooperative programs and especially aid pharmaceutical and medical developments, where patent rights are so critical.

Detailed information on the new policy is available from Dr. Custard or the Office of Sponsored Programs.



When sociologist Kingsley Davis visited University Park on April 6 to deliver a Graduate School lecture, Warren Robinson, director of the Population Issues Research Center, arranged a reunion. Dr. Davis was a Penn State faculty member from 1934-42, and at that time his secretary was Irene P. Glenn. Mrs. Glenn, who retired in 1975 after almost 40 years of service as a secretary in Liberal Arts, came back to campus and posed for this photograph with her former boss. She said that while he was minus a little of the curly hair she remembered, once she heard his voice, she would have known him at once.

Intensive Spanish plan to be started in June

A new Summer Intensive Spanish Program for persons wishing to learn the language in eight weeks will be offered June 14 through Aug. 11 at University Park.

Using a "total immersion theory," three full-time instructors, plus four or five native speakers, will work with groups of two or three students.

Three one-hour classes will be held each morning, according to Dr. Earl Fitz, assistant professor of Portuguese, Spanish and comparative literature. Dr. Fitz is in charge of the program.

"We hope students also will eat lunch together and converse in Spanish before embarking on their afternoon activities," Dr. Fitz says, noting that activities, which will include shopping trips, museum visits and talks, will allow students to put their Spanish to practical use.

The program is designed to meet the needs of persons working in such areas as business, the social services, the courts, hospitals and police departments, and also of Penn State students and members of the faculty and staff.

Since this is the pilot year for the program, enrollment will be limited to 24 persons. Dr. Fitz says. Anyone interested should contact Dr. Fitz in care of the Department of Spanish, Italian and Portuguese, N-352 Burrows Building, 865-4252.

Volunteers needed for orientation program

University faculty members and administrators can volunteer now to take part in next September's UPclose, part of Penn State's freshman orientation program.

In UPclose, groups of 10 to 15 new students meet with a faculty leader for a program or activity of the faculty leader's choosing. Last year, one faculty member took a group of students jogging; others

planned hikes or picnics, and some offered tours of their labs.

"The point is to give new students a chance to meet and talk to faculty members and administrators. It's a way of helping to introduce them to campus," says Diane Pulakos, coordinator of the program.

This year, UPclose will be conducted from Sept. 1 to 15. Faculty leaders can choose any time during that period for the activity they plan. They can also ask that their group be restricted to fewer than 10 people.

For more information, contact Ms. Pulakos, Room 135 Boucke Building, 863-2020.

Surplus Sales Store open on Fridays

Members of the University community are reminded that a campus Surplus Sales Store is open each Friday from 9 a.m. to 3:30 p.m.

The store offers for sale limited quantities of obsolete equipment and supplies no longer of use to the University. Items available include old furniture, office equipment, electronic equipment and a limited number of vehicles. All items are sold on an "as is" cash basis.

The surplus warehouse is located off Bigler Road near the Air National Guard installation.

Illich to offer STS, Graduate lecture

Ivan Illich will deliver the Graduate School/Science, Technology and Society lecture Monday, May 3, at 4 p.m. in Room 112 Kern Building.

Currently teaching medieval history in Germany, Professor Illich is the author of *Celebration of Awareness, Deschooling Society, Tools for Conviviality, Medical Necessity (Limits to Medicine), Energy and Equity, Disabling, The Right to Useful Unemployment and Vernacular Gender.*

Faculty/Staff Alerts

Holiday schedules

The University officially recognizes Memorial Day on the last Monday in May. A holiday, except Christmas, falling on a Sunday is officially recognized by the University the following Monday. July 4th this year falls on a Sunday. Therefore, the University holidays will be:

Memorial Day — Monday, May 31
Independence Day — Monday, July 5

Review your deductions

Regular University faculty and staff members are urged to review periodically the deductions being taken for their health care coverage (hospital/surgical/major medical, dental and vision) to be certain that they are paying for the correct coverage.

A change in family status may affect your cost and your coverage. For example, when you get married, when you have a first child, or when your spouse stops working for the University, you run the risk of having inadequate dependent coverage, if you haven't taken steps to indicate the change in coverage desired.

Consideration should be given to changing coverage if any of the following circumstances arises:

1. You get married.
2. You get divorced (or separated and no longer wish to provide spouse dependent coverage).
3. You become the parent of a first child (note: a baby is covered automatically for 31 days following birth, however, to provide for coverage beyond that time for a child, a coverage form must be completed).

4. Your only dependent child reaches age 19 (or 23 in the case of a full-time student).

5. Your only dependent child gets married.

6. Your spouse begins or ceases working for the University as a regular employee.

7. Your only dependent child begins or ceases working for the University as a regular employee.

8. Your spouse enters military service.

9. Your only dependent child enters military service.

10. Your spouse dies.

11. Your only dependent child dies. If you feel a change should be made, call, write, or visit the Employee Benefits Division, Room 133 Willard Building, 865-1473.

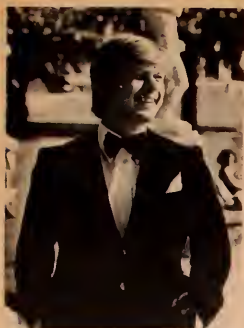
Faculty or staff members located away from University Park may receive assistance by contacting the appropriate Business Manager or Regional Personnel Officer.

The University has no way of knowing whether a change should be made, so it is the responsibility of the individual faculty or staff member to keep his or her records up to date. No refunds for overpayment will be made unless it can be shown that the University was in error.

Faculty and staff members with children are reminded that dependent children are covered under the University's health insurance program until the age of 19, unless they are full-time students. Those who are full-time students continue to be covered until age 23.

Therefore, it may be desirable to seek other health insurance coverage in advance for dependent children approaching age 19 or 23, as applicable.

The University's insurance carrier does offer a hospital/surgical/medical plan to which the group insurance program may be converted. Information and application forms for this conversion coverage may be obtained from the Employee Benefits Division, Room 113 Willard Building (865-1473). Information about other, independent coverage can be obtained from commercial agencies or salespersons.



Hakan Hagegard



Claire Bloom



Itzhak Perlman

Series offers stars of music, theatre and dance

Violinist Itzhak Perlman will open the Artists Series 1982-83 season with an appearance Sept. 14 in Eisenhower Auditorium.

This year, subscribers to one of the four series — Music, Theatre/Dance, Schwab Concert and Schwab Theatre — will be given priority for tickets to three Special Events: a production of the Tony Award-winning musical, *Annie*; the first U.S. tour of *A Festival of the Nile*, with a company of 40 Egyptian singers, dancers and musicians; and a performance by The Washington Ballet of the holiday classic *The Nutcracker*.

In addition, subscribers to either the Music or Theatre/Dance series receive a 25 percent discount off of the price of individual tickets; and subscribers to both Music and Theatre/Dance receive a 30 percent discount — or 12 events for the price of eight. Schwab Concert, Schwab Theatre and The Lively Arts for Young Audiences series will also feature discounts.

Perlman's appearance is part of the Music Series, which also includes the Italian string ensemble *I Musici* with violinist Pina Carmirelli, on Oct. 9; the Prague Symphony Orchestra with musical director conductor, Jiri Belohlavek, Nov. 5; pianist Ruth Laredo, Jan. 28; the Vienna Choir Boys, March 18; and the Texas Opera Theater production of Donizetti's *The Daughter of the Regiment*, April 15. All Music Series performances are set for Eisenhower Auditorium.

The musical double feature *A Day in Hollywood/A Night in the Ukraine* will begin the six-performance Theatre/Dance Series on Oct. 24. The other five offerings are the modern, pop and classical rhythms of Twyla Tharp Dance, on Jan. 14; The New Vic Theatre of London rendition of *Canterbury Tales*, on Feb. 4; the folk music and dance of the Ballet Folclórico Nacional de Mexico, on March 12; the Pennsylvania Ballet (with orchestra), on March 25; and Moscow Gold-medal winners, the Polish

Mime Ballet Theatre production of *Hamlet*, on April 23. All Theatre/Dance performances will be held in Eisenhower Auditorium.

Schwab Auditorium will host the remaining two series — Schwab Concert and Schwab Theatre. The Concert Series will begin on Oct. 22 with pianist and harpsichordist Rosalyn Tureck, internationally acclaimed as the first lady of Bach. Other offerings include the clarinet and string quartet Tashi, with guest artists, Toby Appel on viola and Theodore Arm on violin, on Oct. 29; the Smithsonian Jazz Repertory Ensemble, on Nov. 12 (to be held in Eisenhower Auditorium with unreserved seating); the Medieval and Renaissance musical sounds of The Folger Consort, on Jan. 21; an appearance by Swedish baritone Hakan Hagegard, Feb. 12; and "Music from Marlboro" featuring outstanding young performers from Rudolf Serkin's Marlboro Music Festival, on April 29.

The fourth series, Schwab Theatre, will open on Oct. 17 with Claire Bloom starring in *These Are Women*, a portrait of Shakespeare's heroines: Lady Macbeth, Juliet and Viola from *Twelfth Night*. On Jan. 7, the Compagnie Philippe Genty (Theatre d'animation et de marionnettes) will entertain with pieces featuring marionettes, puppets and Black Light figures. On April 9, "An Evening with Queen Victoria," with Prunella Scales, (tenor Ian Partridge and pianist Richard Burnett, portrays Victoria from her solitary childhood to her death as Queen Empress.

The Lively Arts for Young Audiences programs will be continued by the Artists Series during the 1982-83 season. This year, the Smithsonian Jazz Repertory Ensemble will give a youth concert at Eisenhower Auditorium on Nov. 12. Disney Saturdays will be held at Schwab Auditorium and will feature a variety of films. Disney's *101 Dalmatians* and the Academy Award-winning *Red Balloon* will

be shown on Jan. 8; and Disney's *Many Adventures of Winnie the Pooh* and *Ugly Duckling*, with the Academy Award-winning *Golden Fish* will be shown on Jan. 22. The Pennsylvania Ballet will give a special performance with commentary for young people in Eisenhower Auditorium on March 26.

The Artists Series will begin sales to new subscribers on Tuesday, May 4. Subscription order forms are available at the Eisenhower Auditorium Ticket Center, the Artists Series office in Pine Cottage, and at the Artists Series booth across from the main HUB desk. Further information may be obtained by telephoning 865-1871, weekdays, 9 a.m. to noon and 1 p.m. to 4 p.m.

Bland

(Continued from page 1)

prevention; but he has been involved with a number of other organizations, serving on State College's Zoning and Hearing Board, the Borough Parking Authority, the Traffic Commission and the School Board. He was also president of the Ambulance Club.

His activities in fire prevention began in 1943 when he first rode on a fire truck in Hiram, Ohio. Since then, he has run the gamut from serving as chairman of the National Commission on Fire Prevention and Control — a post to which he was appointed by President Nixon — to his present duties as a firefighter with State College's Alpha Fire Company.

The report drafted by the national commission, "America Burning," resulted in legislation establishing the Fire Prevention and Control Administration in the Department of Commerce.

Mr. Bland was also appointed to the Governor's Commission on Fire Prevention and Control in Pennsylvania, and at the moment is helping to finish up a report for the State on possible strategies for fire control.

On a local level, he makes himself available to share information with fire companies. "I've been known to dash off for the evening to talk to a group," he notes.

"When an individual says he isn't going to get involved because one person can't make a difference, that's a cop-out," Mr. Bland continues. "The thing about the fire business that makes it such a challenge is that this is an area where something can be done. We have the technical knowledge to reduce the number of fires and resulting loss of life by at least 50 percent. The arguments against doing do are economic and social."

Although the media pay the most attention to fires in public buildings such as hotels, schools and nursing homes, Mr. Bland points out that by far the greatest problem is in one- and two-family residences.

That's where you run into the 'man's home is his castle' argument," he says.

"You can't go into a private home and tell people what to do, and I'm not even sure you should."

"But persons who argue that the government should have no regulatory role probably wouldn't be in favor of having their local government abolish its fire department and cease training firefighters."

Legislation and public safety laws hold the key to solving the problem of reducing fires, Mr. Bland holds.

"A state building code could save vast sums of money," he adds, "but political reality is very difficult to achieve. We have the tools to predict that each day a certain number of people will die in home fires, but society has to decide if that is too many or not enough."

"You can impact on the problem, but the other side is a political decision. Why doesn't the Borough of State College, for example, have a sprinkler ordinance? It's not a lack of technology; it's what society will support."

Barkman

(Continued from page 1)

Gordian knot for the troubled students. "He is also a problem solver and interpreter for journalists, faculty, families and administrators."

The subject of these encomiums is celebrating his tenth year with the Senate. He earned M.Ed. and Ph.D. degrees at the University in secondary education and educational administration, respectively, and served as a teacher, high school principal and supervising principal before taking up his post in Birch Cottage.

While putting in long hours working with the Senate's officers and committees, Dr. Barkman still manages to make time to assist as many as a dozen other faculty members each day.

"It may be a two-minute question-and-answer conversation," he notes, "or perhaps I see that someone is going to Germany on leave; and I remember that someone else has just come back from Munich with research findings which might be useful to the departing scholar. I'll try to put them in touch with each other."

This willingness — indeed pleasure — in going the extra mile is characteristic of Dr. Barkman's relationships with the University community, not only at University Park but also at all of Penn State's campuses. He visits them regularly with the Senate officers.

He is always available to help interpret student rules to faculty advisors or to sit down with interested parties to explain personnel benefits of which they may not be aware.

"I'll help someone take advantage of their medical benefits, for example," he notes, "then he or she has information to pass on to colleagues. Academic support is an add-on to the job. I try to relieve senators of all the 'Mickey Mouse' stuff, can."

"Part of my job is to help give everybody the opportunity to use their full potential. A good administrator creates an environment where faculty members can do their best work. I try to pull things to myself, to make myself a sort of buffer or scapegoat, if you will, to allow people to work things out."

"I'm always amazed at the tremendous scope of knowledge in this University. It's a joy to sit in front of this big console and push buttons."

The Senate leadership respond to Dr. Barkman's conception of his job in this statement:

"Our's is a remarkably smooth-running and efficiently organized Senate — in large measure because of Oscar Barkman's unstinting devotion to this organization. But beyond this, Penn State — including the whole Commonwealth Educational System — is a more pleasant, humane system because Oscar Barkman brings to it a spirit of gentle, thoughtful, individual concern. We need more such folk to weave us into a real community."



Twyla Tharp dances

General Education Conference program Frisbey

Friday, May 7

12:30 p.m. Registration, Lobby,
Music Building recital hall

1:30 p.m. Opening Session, Music Building
recital hall

Convener: Nancy M. Tischler, Chairman,
University Faculty Senate

Welcoming Remarks: John W. Oswald, President

Introduction: Edward D. Eddy, University Provost

Presenter: Jerry Gaff, Director,
Center for General
Education, American
Association of Colleges,
Washington, D.C.

Topic: "Developing Structures for
Renewing General Education"

3:00 p.m. Concurrent Panels

Strategies for Internationalizing General Education

Building upon January's panel on "developing an international view in general education," this panel will discuss proposals for raising international awareness throughout the curriculum and for strengthening requirements for foreign language study.

Keller Conference Center, Room 115

Moderator: William J. Duiker

Panelists: Peter J. Behrens, John D. Daniels, William H. Gotsolik, Craig Millar

Enhancing an Awareness of General Education

This panel will consider strategies for improving faculty and student understanding of general education goals and programs, and steps for enhancing student-faculty interaction.

Keller Conference Center, Room 204

Moderator: Philip C. Jacobson

Panelists: Paul Axt, Christopher Hopwood, Hope Pelsynski, Phillip E. Stebbins

Identifying the Qualities and Skills Which Generally Educated Persons Should Possess

The panel will discuss the qualities and skills which define college graduates and which enhance personal and professional development.

Keller Conference Center, Room 305

Moderator: Jacob B. Baumann

Panelists: Donald H. Ford, Louise Garraux, Gayle L. Smith, James G. Thompson

The Role of Science and Technology in Preparing an Informed Citizenry

The panel will present their perceptions of the role of general education in developing an understanding of scientific and technological principles.

Keller Conference Center, Room 312-314

Moderator: Richard L. McCarl

Panelists: Z.T. Bieniawski, Herbert Cole, Robert J. Heinsohn, Robert B. Mitchell

Special Approaches to General Education

The panelists will describe experiences and proposals for promoting general education through special orientation, interdisciplinary and coordinated courses.

Keller Conference Center, Room 402-403

Moderator: Robert D. Arbuckle

Panelists: Robert Colucci, Zachary Irwin, Ronald J. Harshbarger, Judith L. Stephens

5:00 p.m.

Adjournment

8:30 p.m.

Convener:

Introduction:

Presenter:

Topic:

Keynote Address, Music Building
recital hall

Chairman Tischler

President Oswald

Harlan Cleveland, Director,
Hubert H. Humphrey Institute of
Public Affairs, University of
Minnesota

"Shouldn't We Also Be Educating
for Wisdom?"

Saturday, May 8

9:00 a.m.

Concurrent Panels

1. Examining the Collegiate Environment Which Supports General Education

The panel will explore the relationship between the curriculum and the total campus environment and consider measures for enhancing this relationship.

Keller Conference Center, Room 204

Moderator: Raymond O. Murphy

Panelists: Daniel Bollag, Patricia Farrell, Kim Hammond,
M. Lee Upcraft

2. Exploring the Liberating Component of General Studies

The panel will explore definitions of liberal and general education and the development of a program which better fits the educated individual to deal with the contemporary uncertainties of personal and professional life.

Keller Conference Center, Room 305

Moderator: William Toombs

Panelists: Joseph C. Flay, R. Dorn Hetzel, Ernest B. Lowrie, G.P. Patil

3. Matching Values and Rewards

The panel will discuss the responsibilities of faculty, their preparation for delivering a general education, and the reflection of academic values within the reward system.

Keller Conference Center, Room 312-314

Moderator: Kenneth P. Mortimer

Panelists: James B. Bartoo, Shirley Marchaloni, John D. Martz, Mark D. Shaw

4. Qualifications and Expectations of the College Graduate

The panelists will present their views on the educational objectives necessary for job satisfaction, career advancement, and life-long learning. Panelists will consider the integration of general education as it affects professional development.

Keller Conference Center, Room 402-403

Moderator: Gene M. Love

Panelists: John D. Connor, H. LeRoy Marlow, Marian U. Coppersmith, William Merrill

11:00 a.m.

Plenary Session, Keller
Conference Center Auditorium

Chairman Tischler

Presentations: "The Re-vision of General
Education" — Provost Eddy

"Recommendations for the Future"
— Theodore L. Gross, Provost
and Dean, Capitol Campus

"The Next Steps: Closing Remarks"
— President Oswald

12:00 noon

Adjournment

(Continued from page 1)

extended, renew their exemptions from military service or satisfy their tax obligations.

"I see my job as trying to make life here as easy as possible for these students, so they can concentrate on their academic problems."

Undaunted by the growing stacks of paperwork confronting her, Mrs. Frisbey also makes an effort to get to know the students. Recently when a young man was hospitalized after being injured by a baseball which broke his cheekbone, she visited him in the hospital on a Saturday afternoon.

"Students need to know somebody cares and understands their problems," she says simply.

Students point out that Mrs. Frisbey takes the trouble to learn their full names and to remember them. "She pronounces names correctly and precisely," one student wrote. "Her ability to remember almost everything concerning each and every student has created a deep feeling of respect within each person with whom she comes in contact."

Mrs. Frisbey and her husband, Norman, an undergraduate studies advisor with DUS, have travelled extensively and spent three years in Iran during the sixties. Characteristically, Mrs. Frisbey mastered Persian during her stay.

Over the years, she has seen not only a growth in the number of international students at Penn State but also a change in their expectations. "They're interested in broader kinds of activities now," she explains. "Where formerly they concentrated exclusively on academics, many of them now want more intercultural exchanges."

Responding to this need, Mrs. Frisbey is her office's permanent liaison with the State College Hospitality Council. "Getting to know international students as people is truly rewarding," she says. "If you like people, you will like them no matter what their culture."

"Americans who don't get involved with people from other countries are missing a lot."

Conference

(Continued from page 1)

had appointments at Hobart and William Smith Colleges, the University of the Pacific, the University of California at Berkeley and the University of Leyden. Among his numerous publications are three books.

Penn State Day at Hershey is May 15

Performing arts groups such as the Penn State Blue Band, the Jazz Band and the Glee Club will be among the main attractions at the first annual Penn State Day at Hershey Park next month.

Penn State Day at Hershey Park will be sponsored by the Lion Ambassadors and the Penn State Alumni Association. It is scheduled for Saturday, May 15, from 10:30 a.m. to 10 p.m.

Special programs sponsored by Penn State groups will be performed throughout the day, and the park's amusement rides and facilities will be open. According to Lion Ambassador Bruce Kent, chairman of the event, all Penn State students, faculty members, staff and alumni will receive reduced admission rates. Alumni and faculty and staff members will be charged \$9.25 with the coupon in this issue of INTERCOM. Students will pay \$8.75 and must present their student ID cards. Other special rates are: children under four years will be admitted free, and people 62 and over will be charged \$6.

Tickets will be available at the park at a special gate for Penn Staters.

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University Park Calendar

April 29 — May 9 Special Events

Thursday, April 29

Nursing/Human Development, "Health Fair," 10 a.m.-4 p.m., Nursing Consultation Center. Also April 30.

New German Cinema, Handke, *The Left Hand Woman*, 7 and 9:15 p.m., HUB Assembly Room. Also April 30.

Museum of Art film, *Heretic Materialism*, 7 p.m., First Floor Gallery.

Kern Classics, *Lolita*, 8 p.m., 112 Kern.

Orchestra Dance Group, 8:30 p.m., White Bldg. Dance Theatre. Also April 30.

Friday, April 30

Sports: golf (men), Alumni Tournament. Also May 1.

Commonsplace Theatre, *La Cage Aux Folles*, 7 p.m.; Tess, 8:30 p.m., 112 Kern.

Cinematheque, *Brotherless*, 7 and 9 p.m., 121 Sparks. Also May 1.

German Dept. AATG meeting, leader concert, 8 p.m., Eisenhower Chapel Memorial Lounge.

Artists Series, The Gregg Smith Singers, 8:30 p.m., Schwab.

Saturday, May 1

Dairy Exposition "Show Day," 8 a.m., Dairy Barns.

German Dept. AATG meeting, 10 a.m., 101 Kern. Rio Prentiss on "Marginalien zu Goethe," 10:20 a.m., 101 Kern. Gene Pearson, Moravian College, on "Sophie Marceau: Lost German Poet of the Goethe Age," Radio Public, Lafayette College, on "Goethe und das serbische Volkslied," and Ursula Meyer, Goethe House, on "Liedermaker in Deutschland," 11:15 a.m., 208 Willard; Stanley Townsend, prof. emeritus, German, on "Goethe ohne Hegelschen," 12:30 p.m., Penn State Room.

Nittany Lion Inn film, "Goethe heute," 2 p.m., 124 Sparks; Drama, "Urfahrt," produced by students of German, 3 p.m., 301 HUB.

Sports: recital and field (men), Nittany Lion Relays, 12 p.m.; lacrosse (men) vs. Montclair State, 8 p.m.; tennis (men) vs. Bowling Green, Mercyhurst and Ohio, also May 2.

Blue-White Football Game, 1 p.m., Beaver Stadium.

Orchestra Dance Group, 2:20 and 8:30 p.m., White Bldg. Dance Theatre

URTC, *As You Like It*, 8 p.m., Playhouse. Also May 4-8.

France-Cinema, Fassbinder, *Li Marleen*, 7 and 9 p.m., 112 Kern. Also May 7.

University Choir, Symphony Orchestra and Symphonic Wind Ensemble concert, 8:30 p.m., Eisenhower.

Monday, May 3

First day to sign Summer Term NDSL and University Long Term Loans, 108 Shields.

Yugoslav Film Festival, noon, HUB Assembly Room. Animated and fine arts films sponsored by Yugoslav Press and Cultural Center and IAHS.

Sports: baseball vs. Juniata, 3 p.m. Public lecture, 4 p.m., 101 Kern. Gerhard Wieting, Federal Institute for Eastern and Western Studies, Cologne, West Germany, on "German-American Relations: A Continuing Challenge."

Visiting STS Scholar and Graduate School Lecture, 4 p.m., 112 Kern. Ivan Illich, theologian, historian and educator. Topic to be announced.

Interdisciplinary Symposium on Value, 7:30 p.m., 101 Kern. Nancy F. McKenzie, philosophy, on "Beyond Professional Ethics: Formulating a Productive Ethic."

Black Studies Program lecture, 7:30 p.m., Robeson Cultural Center conference room.

Robert Holmes, Atlanta Univ., on "The Reagan Presidency and Black America — A Political Scientist's Perspective," and K.C. Morrison, Syracuse Univ., on "The Reagan Presidency and Black Africa — A Political Scientist's Perspective."

University Readers, *Any Reasonable Offer* by Kurt Vonnegut, 7:30 p.m., HUB Reading Room.

Also May 4

Colloquy panel discussion on "Women in the Law," 8 p.m., HUB Assembly Room. Ann Steinberg, D.C. Bar Association treasurer; Marina Angel, Temple Univ.; and Judge



Corin (Thomas McNally) greets Touchstone (Jeff Kramer), Aliens (Mona Niemiec), and Ganymede (Lawr Means) in URTC's production of "As You Like It" now at Playhouse. See story page 4.

Lynne Abraham, Court of Common Pleas.

Tuesday, May 4

Comp. Lit. Luncheon, 12:15 p.m., 204 HUB. Alphonsio Lingis, philosophy, on "Black Gods."

IAHS lecture, 12:45 p.m., 228 Sackett, Francois Suard, Univ. of Lille, France, on "Chretien de Troyes' *Erec et Enide* (in French)." University Faculty Senate meeting, 2:10 p.m., 112 Kern.

Sports: tennis (men) vs. Bucknell, 2:30 p.m. Phi Kappa Phi, annual initiation, 5:30 p.m., HUB Ballroom. Address by Provost Edward D. Eddy.

David Barash, Univ. of Washington, on "Preventing Nuclear War: Reversing the Neanderthal Mentality," 7:30 p.m., Kern Auditorium.

Recital, Anne Waller, guitarist, with Mark Maxwell, 8:30 p.m., Music Bldg. recital hall.

Wednesday, May 5

Late drop deadline.

Commons Center, noon, Kern Lobby. Yugoslav Film Festival, noon, HUB Assembly Room. Documentary and fine arts films sponsored by Yugoslav Press and Cultural Center and IAHS.

Sports: baseball vs. Indiana, Pa. (DH), 1:30 p.m.; lacrosse (women) vs. Princeton, 3:30 p.m.

David Barash, Univ. of Washington, on "Sociobiology and Communication," 2 p.m., 210 Sparks.

IAHS lecture, 8 p.m., 101 Kern. Erich S. Gruen, Univ. of California, Berkeley, on "Augustus and Alexander: Ideology of Empire."

Thursday, May 6

HUB Craft Center sale, 10 a.m.-4 p.m., Fisher Plaza. Also May 7.

Public lecture, Morris T. Keeton, Council for the Advancement of Experiential Learning, on "Effective Uses of Experiential Learning in Instruction," 2:15 p.m., 402 Keller.

Kern Classics, *Sleuth*, 7 and 9 p.m., 112 Kern. New German Cinema, Herzog, *Sirozok*, 7 and 9 p.m., HUB Assembly Room.

Philosophy/13th Annual Dostoevsky Lecture, 7:30 p.m., 101 Kern. John E. Smith, Clark Professor of Philosophy, Yale Univ., on "Being and Willing."

Friday, May 7

Last day for signing Spring Term NDSL and University Long Term Loans, 108 Shields.

General Education Conference. Opening Session, 1:30 p.m., Music Bldg. recital hall. Speaker, Jerry Gaff, director, Center for General Education.

American Assn. of Colleges, on "Developing Structures for Renewing General Education." Concurrent Panels, 3:30 p.m. Keynote address, 8:30 p.m., Music Bldg. recital hall. Harlan Cleveland, director, Hubert H. Humphrey Institute of Public Affairs, Univ. of Minnesota, on "Shouldn't We Also Be Educating for Wisdom?"

Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. John Opie, Duquesne Univ., on "The Aesthetics of Land Arnds."

Cinematheque, *Gates of Heaven*, 7 and 9 p.m., 121 Sparks. Also May 8.

Commonsplace Theatre, *Stripes*, 7 and 9 p.m., 112 Kern. Also May 9.

CSA Coffeehouse, 8 p.m., 102 Kern.

Sports: volleyball (men), NCAA Championships, also May 8.

Saturday, May 8

General Education Conference. Concurrent Panels, 9 a.m. Plenary session, Keller Conference Center Auditorium, 11 a.m. Presentations: "The Re-Vison of General Education," Provost Edward D. Eddy; "Recommendations for the Future," Theodore L. Gross, provost and dean, Capital Campus; "The Next Steps," President John W. Oswald.

France-Cinema, Herzog, *Aguirre, the Wrath of God*, 7 and 9 p.m., 112 Kern.

Archaeological Institute of America lecture, 8 p.m., 101 Kern. Speaker: Calin Edmonson.

Sunday, May 9

Honors Convocation, 2 p.m., Eisenhower. Speaker, Bruce Murphy, political science, on "Penit State and the Ivy League Syndrome."

Penn State International Dancers performance, 3 p.m., 132-133 White.

Seminars

Thursday, April 29

Chemistry, 12:45 p.m., 333 Whitmore. John K. Stille, Colorado State Univ., on "Organic Synthesis via Organopalladium Catalysis."

Anthropology, 3:30 p.m., 107 Carpenter. Elliot Abrams on "Excavations of an Elite Residence, Copan, Honduras."

History, 3:30 p.m., Eisenhower Chapel Memorial Lounge. Robert Forster, Johns Hopkins Univ., on the Annals school of history.

Physics, 3:50 p.m., 117 Osmond. J. Panitz, Sandia Lab., on "Molecular Imaging in High Energy Fields."

Monday, May 3

MCIB, 3:30 p.m., 101 Althouse. Fritz Roltman, Case Western Reserve, on "The Structure and Regulated Expression of Bovine

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Prolactin and Growth Hormone Genes," Entomology, 3:40 p.m., 204 Patterson. Joseph M. Russo, horticulture, and Larry Hull, entomology, on "A Model of Apple Tree Development and Pests."

Industrial Engineering, 4 p.m., 215 Hammond. Thomas Bernard, Westinghouse R & D Center, on "Human Factors Issues at Westinghouse."

Tuesday, May 4

Solid Waste Management, 2:20 p.m., 128 Sackett. M. Musheno, Combustion Engineering, Inc., on "Fundamentals and Techniques of Environmental Control."

Plant Pathology, 3:45 p.m., 213 Buckhout. Ugo Brodny on "Factors Affecting Stabilization of Physiological Race Populations of *Puccinia coronata avenae* on *Avena sterilis* L. Israel."

Geosciences, 3:45 p.m., 22 Deike. Dale Ritter, Southern Illinois Univ., on "Geomorphologic History of the Nenana Valley, Alaska." Engineering Science and Mechanics, 4 p.m., 215 Hammond. Barbara Garrison, chemistry, on "Mechanisms of Ejection of Molecular Clusters due to Ion Bombardment of Solids."

Wednesday, May 5

Physical Education, 3:30 p.m., 101 Kern. Dean Karl G. Stoeckel, physical education, on "Physiological Performance and Characteristics of Executives."

Thursday, May 6

Chemistry, 12:45 p.m., 333 Whitmore. Dietmar Seyferth, MIT, on "Aspects of Transition Metal Sulfur Chemistry."

Economics, 3 p.m., 101 Kern. James Tobin, Yale Univ., on "An Unapologetic Keynesian View of Current Macroeconomic Policy."

Ecology, 4 p.m., 8 Mueller Lab. Robert Siegel, Colgate Univ., on "Effects of Acid Precipitation on Aquatic Food Chains."

Friday, May 7

German, 4 p.m., S-328 Burrows. Karl S. Guthrie, Harvard Univ., on "Fontane's Quest of Fiction: Art or Artifice."

Exhibits

Chambers Gallery: Papermaking Show, through May 2.

Undergraduate School of Visual Arts Show, opens May 5.

Kern Gallery: Constantine Kermes, painting, and prints, through April 30.

Robert Milnes, ceramics, and Roger Pollock, design, opens May 3.

Museum of Art: Director's Choice, Selected Works from the Museum's Collection. Sculpture and Sculptural Objects from the Museum's Collection.

Dora de Pedy-Hunt, medals and sculpture.

Pattee Library: Rare Books Room: "100 Years of Diplomatic Cooperation Between Yugoslavia and the United States, May 31, 1908: The Fortunes of Faust."

East Corridor Gallery: Lois Johnson, prints. Main Lobby and Second Floor, East: Sandra Braund, Dean Enteros, and Sandra Rossmann, recent works, opens April 30.

Lending Series Lobby: David Vaughan, photographs by the sea, through April 30. Heather Bentz, recent work, opens May 5.

Visual Arts Bldg., Zoller Gallery: Susan Smith, photographs, through May 2.

Undergraduate Student Exhibition, opens May 4.

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Teaching and student awards to be presented

Four faculty members will receive 1982 AMOCO Foundation Outstanding Teaching Awards of \$1,000 each at the Sunday, May 9, Honors Day Convocation. The program will begin at 2 p.m. in Eisenhower Auditorium.

To be honored are: David E. Butt, associate professor of speech communication at University Park; Richard M. Lerner, professor of child development at University Park; Patricia Rizzolo, assistant professor of English at Ogontz; and August H. Simonsen,

All faculty are invited to participate in the Honors Convocation as members of the academic procession. Faculty in academic regalia should report to the Green Room of Eisenhower Auditorium by 1:30 p.m. Seating in the front rows of the auditorium will be reserved for those in the procession. After the recession, faculty are invited to visit with students in the college award distribution area. Faculty and staff not wishing to be members of the procession are invited to attend the program in the audience.

assistant professor of environmental sciences at McKeesport.

AMOCO recipients, Provost Edward D. Eddy explains, are chosen from a group nominated by faculty members and students recommended as finalists by a University committee including faculty members and students and chaired by Dr. Robert E. Dunham, vice president for undergraduate studies.

During the convocation, some 300 undergraduate students from all of the University's campuses will be cited for academic excellence.

The keynote address will be delivered by Dr. Bruce Allen Murphy, assistant professor of political science. His topic will be "Penn State and the Ivy League Syndrome."



"I feel very strongly that one must be an active scholar to be an effective teacher," Richard M. Lerner says.

A professor of child development, Dr. Lerner has been a member of the faculty since 1976. Prior to that, he earned B.A. and M.A. degrees at Hunter College, his Ph.D. at City University of New York and then taught at Eastern Michigan University.

The author or co-author of six books, 18

University, Zimbabwe agree on linkage

President Oswald and Walter Kamba, principal and vice-chancellor of the University of Zimbabwe, together signed a Memorandum of Understanding between the two institutions during Professor Kamba's visit to University Park on April 30.

The memorandum states in part: "In recognition of the mutuality of interest and the mutual advantages to be derived from a sharing of resources and, specifically, from the exchange of students, academic staff, and administrative staff between our two institutions, we affirm herewith our intent to encourage the development of specific linkages between our two universities."

Among the specific professional linkages described in the document are staff and student exchanges, long-term and short-term research projects, colloquia and seminars.

Administrative personnel such as librarians, registrars, deans, data processing technicians and others will be encouraged to participate in the relationship, with specific linkages and activities to be developed by the appropriate offices of both institutions.

The contact between Penn State and the University of Zimbabwe was begun last November during Provost Eddy's visit to the young nation. At that time, he met with Professor Kamba and the deans of the university for a discussion of various forms of cooperation. Dr. Eddy also conferred with the American ambassador to Zimbabwe and other embassy officials.

Dr. Eddy noted that exchanges between the universities would be a two-way street. The memorandum says: "Penn State students and faculty members . . . can derive essential professional enrichment from sustained contact with the University of Zimbabwe in its unique political, geographical and economic environment."

In a brief talk after the signing of the agreement, Dr. Oswald noted Penn State's strong commitment to both international programs and international students.

Professor Kamba then described the process of reconciliation now going on in



President Oswald and Professor Kamba sign agreement.

Zimbabwe as the result of the establishment of a truly national government by Prime Minister Robert Mugabe.

"Of course, we have problems," Professor Kamba said, "but there is no doubt of our determination to succeed."

Pointing out how crucial this success is to the future not only of his own country but also to that of all of southern Africa, Professor Kamba called for tolerance and "positive action such as this Memorandum of Understanding" on the part of the United States.

Professor Kamba accepted the position of principal and vice chancellor in 1980. He was the first black in Zimbabwe to take his articles in law (at the University of Capetown) and holds a master's degree in law from Yale University.

From 1969 to 1980, he was a senior lecturer in law and dean of the law faculty at the University of Dundee in Scotland. He will receive an honorary degree from that university this week.

The University of Zimbabwe was established by Royal Charter in 1955, and opened its doors in 1957 with 68 students, 60 of whom were white.

"The University of Rhodesia, as it was then known, was never an integral part of the life of the country before

independence," Professor Kamba recalled. "It was a non-racial institution trying to

carry on in a society ordered on the basis of race. The hostile social, political and economic environment distorted the role of the university. The relationship between the university and the regime was at best a working misunderstanding."

Professor Kamba said that when he became principal and vice chancellor his first concern was how to make the university an effective element in the national development of Zimbabwe.

A second concern was to insure that the university would grow rapidly in the number of its students and add disciplines to meet Zimbabwe's need for trained manpower and research.

And finally, he was determined to find ways to forge closer links between the university and the government without destroying the academic integrity of the former.

To achieve his first goal, Professor Kamba believes a radical change is necessary in the orientation of the university's staff, many of whom are white expatriates without a long-term commitment to the institution.

"It is essential that we develop our own indigenous staff," Professor Kamba said, "and we believe that the agreement we have signed with Penn State will further this effort by helping us establish staff

(Continued on page 6)



Patricia Rizzolo not only takes a keen interest in the progress of her own students at Ogontz but, as director of the Campus's Reading and Writing Center, has also influenced the work habits of thousands of other undergraduates.

Hired in 1975 to set up a basic skills program at Ogontz, Dr. Rizzolo holds B.S., M.A. and Ph.D. degrees in English



David Butt's teaching career got off to an early start.

"I remember tutoring a kid in elementary school and liking it," the associate professor of speech communication recalls.

His first venture as a professional actually began a number of years later — in a sixth-grade classroom — after he had



August H. Simonsen doesn't think he's an anomaly at the McKeesport Campus.

"Most of our faculty members are glad to offer students help outside the classroom," he reports. "I'm sure that a majority of Penn State's faculty willingly reach out to students."

Dr. Simonsen, an assistant professor of environmental sciences, does feel, however, that instructors at a Commonwealth Campus have a definite

Penn Staters

Dr. Theodore L. Gross, provost and dean of The Capitol Campus, chaired the session in contemporary American Literature at the Salzburg Seminar in American Studies, April 18-May 1, in Salzburg, Austria. Joined by an international faculty and student body of 200, Dr. Gross delivered lectures on the work of Saul Bellow and Ralph Ellison. In Paris, on May 2, he addressed the alumni and alumnae of the Salzburg Seminar on aspects of contemporary American literature.

Dr. Gross recently served as General Editor of *America in Literature*, a two-volume interdisciplinary anthology that traces the national culture from its roots to the present day, and wrote the section dealing with nineteenth-century America.

The purpose of the Salzburg Seminar is the study, at the highest level, of contemporary problems of world-wide scope, as well as of significant aspects of American society. It provides a unique forum for the frank exchange of ideas and informed opinion. It offers to non-Americans practical, as well as theoretical, insights into developments in the United States at the same time as it familiarizes American participants with the ideas of those from other countries.

Dr. Rodrigue Morteel, professor of obstetrics and gynecology and director of gynecologic oncology at the Hershey Medical Center, has been granted a one-year leave of absence to allow him to serve as a visiting professor at the University of Paris XI. Dr. Morteel was commissioned by the French government to pilot a program integrating clinical and basic research at the University of Paris.

Dr. Barbara J. Smith, assistant dean of Libraries and head, Division of Commonwealth Campus Libraries, has been named a Senior Fellow at UCLA's Graduate School of Library and Information Science, where she will participate in seminars and programs on academic research library management. The fellowships are awarded jointly by UCLA and the Council on Library Resources.

Dr. Richard E. Tressler, professor and chairman of the Ceramic Science and Engineering program, has received the 1981 Karl Schwartzwalder Professional Achievement in Ceramic Engineering Award of the American Ceramic Society. A Fellow of the Society, Dr. Tressler is secretary-elect of its basic science division and vice chairman of its Ceramic Educational Council. He also serves as chairman of the Society's editorial advisory board and as a member of its publications committee.

Baritone Robert Trehy, professor of music and Fellow, IAH, has performed in Rodgers and Hammerstein concerts with the Nashville; Calgary, Canada; Pittsburgh; and Madison, Wis., Symphonies.

Dr. E. Willard Miller, professor of geography emeritus and associate dean for resident instruction emeritus, and Ruby M. Miller, former map librarian at Pattee, are the authors of a five-volume bibliography titled *Asia: A Bibliography on the Third World; The Far East: A Bibliography on the Third World; Southeast Asia: A Bibliography on the Third World; Southern Asia: A Bibliography on the Third World; and the Middle East: A Bibliography on the Third World*, published by Vance Bibliographies. The bibliographies contain more than 4,500 references dealing with government and politics, foreign relations, military and rural development, natural resources, and social problems in these regions. These volumes are of particular interest to Asian specialists.

Dr. Helen A. Guthrie, professor of nutrition and head of the Nutrition Program in the College of Human Development, will receive an honorary doctor of science degree on June 10 from the University of Western Ontario in London, Ontario, Canada, where she will address the Convocation.

Dr. Guthrie, who received her B.S. in home economics from Western Ontario, is being honored as "an authority on infant nutrition and . . . a prominent nutrition educator whose views have been sought by both industry and government." She serves on the board of directors of Nabisco Brands and in 1978 received the Borden Award for outstanding work in nutrition education and research, presented by the American Home Economics Association. She has also served on the Food and Nutrition Board of the National Research Council and is currently a member of the council's Recommended Dietary Allowances Committee. She is a former president of the Society of Nutrition. Her text, *Introductory Nutrition*, is now entering its fifth edition, and she has authored numerous scholarly publications.

Dr. Guthrie received her M.S. in nutrition and biochemistry from Michigan State University and was awarded the 1980 Outstanding Alumni Award from that institution's College of Human Ecology. Her Ph.D. in physiology was earned at the University of Hawaii. She has been a Penn State faculty member since 1949.

Dr. Harold L. Lovell, professor of mineral engineering, was the invited guest of the Water Research Commission of the Republic of South Africa at the 11th conference of the International Association of Water Pollution Research and Control at Capetown and Pretoria, South Africa, March 28-April 7. Representing the U.S. Environmental Protection Agency and the U.S. coal community, he also presented a paper on "Coal Mine Drainage Control in the United States: An Overview."

Dr. Charles D. Ameringer, professor of Latin American history, presented an invited paper, "Honduras and Costa Rica in the Central American Crisis," at a Symposium, "The United States and Central America," on April 20 at the Graduate Center of the City University of New York. The Symposium was sponsored by the National Committee on American Foreign Policy. Among the speakers were Senator Robert C. Byrd, Senate Minority Leader; Congressman Michael D. Barnes, chairman of the House Sub-Committee on Inter-American Affairs; and prominent representatives from the region and distinguished American academic specialists.

A retrospective exhibit of paintings by David Milby, associate professor of art at Ogontz, will open May 8 at the Campus. Twelve mural-size paintings, accomplished with the aid of a Guggenheim Fellowship, are among the works to be displayed.

Most of Professor Milby's works reflect an interest in various forms of abstraction or semi-abstraction, often on a mural-size scale. Many are concerned with personal history and family genealogy, a theme that has intrigued him since high school and became entwined with his artistic pursuits when, in 1974, he inherited a large collection of old family photographs and records.

Sheldon R. Gelman, professor of social welfare and director of the social welfare major, has been elected a vice-president of the American Association on Mental Deficiency representing the Social Work Division. He will assume office in June at the 106th Annual Meeting of the Association in Boston.

Dr. Maureen A. Carr, director of the School of Music, has been elected to the board of the Music Theory Society of New York State and to the Undergraduate Commission of the National Association of Schools of Music (NASM).



Robert A. Patterson, senior vice president for finance and operations and treasurer of the University, has been appointed by Governor Thornburgh to a nine-member commission being created to study revitalization of the State's rail network.

He is one of four members named to the commission by the Governor. Five additional members will be named later.

The commission was created by the State Legislature in Act 144, approved by the Governor in December. In particular, its members will study the feasibility of developing a high-speed rail passenger system in Pennsylvania. They will also examine other questions related to restoring the State's rail freight and passenger service.

Bookshelf

Dr. Robert D. Hume, professor of English, is co-editor of *Vice-Chamberlain Coke's Theatrical Papers, 1706-1715*, published by Southern Illinois University Press. His collaborator was Professor Judith Milhous of the University of Iowa.

The Coke papers are an immense addition to knowledge of the florid period of London theatre history in which Vanbrugh opened the Haymarket theatre, Italian opera came to England, and the Triumvirate management of Wilks, Cibber and Booth took over at Drury Lane.

The papers provide a wealth of information about the operation of early 18th century theatres. The documents include rough drafts of orders by the Lord Chamberlain regulating the theatre; complaints against management by actors, singers and dancers; costume and sundries bills; performers' contracts; orchestra rosters; salary lists; tradesmen's bills; financial estimates for the opera; lists of daily receipts; complaints by angry Italian castrati about breach of contract; and the only extant daily box-office reports for opera in London before the 1730s.

Two major clusters of documents are of special interest. They concern Vanbrugh's disastrous plunge into Italian opera at the Haymarket in the spring of 1708, and the ferocious row of 1713-15 which saw Booth replace Doggett in the Triumvirate. Coke's theatrical papers have been known to theatre historians for more than 150 years, but until this volume have remained largely unused — mainly because they have been dispersed through the years at auctions.

The editors started their work with the 82 Coke documents which came to the Harvard Theatre Collection in 1928; all were unordered, and many were unsigned and undated. They also located eight other items from special collections at Harvard. Eventually they were able to round up another 71 items — mostly letters — from libraries and private collections in the United States and Great Britain.

Carpooler

Linda Smeltzer needs a ride from the Rud-Cor Tractor Park in Centre Hall to the University (Pattee Library area). She works from 7 a.m. to 3:30 p.m. and can be reached at either 865-1755 (7 a.m.-3:30 a.m.) or 364-9673 (after 4:30).

Mr. Patterson joined Penn State in 1980. Before that, he was secretary and treasurer of the Long Island Railroad Company for six years. He served the railroad for 13 years prior to that as director of research and assistant to the president.

During that period, he was also associate professor of finance in the Graduate School of Business of New York University. He has taught courses in transportation economics at Hofstra University.

Before joining the railroad, Mr. Patterson was assistant treasurer and statistician-analyst at Eastern Airlines, with responsibility for financial, operating, and traffic analysis, stockholder relations and tax accounting.

He holds a bachelor's degree from Grove City College and a master of business administration degree from New York University. In 1980, he was awarded an honorary doctorate by Grove City College, which he serves as a trustee.

Appointed to the commission last week with Mr. Patterson were: Donald Bryan of Harrisburg, State deputy secretary for local and area transportation in the Transportation Department; Everett W. Croyle of Enola, State legislative director of the United Transportation Union (formerly the Brotherhood of Railroad Trainmen); and Robert A. Gleason, a Johnstown insurance broker.

Promotions

Staff Non-Exempt

Bernadette Ann Bobby to data specialist in Education.

Clerical

Barbara Grant Faunce to accounting clerk at Ogontz.

Anna Mae Heger to accounting clerk at Ogontz.

Ruth A. O'Brien to clerk, Insurance A at Hershey.

Technical Service

Charles A. Foote to laundry worker/truck driver at Hershey.

William Houston to maintenance worker (general) B at Capitol.

Harrison E. Rodkey to painter and facilities maintenance worker at Capitol.

Retirements

Elaine M. Detwiler, secretary in the College of Agriculture, April 15, 1963, to March 19, 1982.

John G. Doll, maintenance worker, utility, Office of Physical Plant, Sept. 16, 1965, to May 1, 1982.

Genevra S. Feagle, physician, University Health Services, May 1, 1966, to May 1, 1982.

Samuel B. Feagle, physician, College of Health, Physical Education and Recreation, Sept. 1, 1965, to May 1, 1982.

Marshall Harpster, group leader, guard, Applied Research Laboratory, May 11, 1967, to Jan. 31, 1973, and May 1, 1974, to April 1, 1982.

Grace M. Hosterman, food service worker, Housing and Food Services, Sept. 25, 1966, to May 14, 1982.

Ivy E. Lytle, residence hall worker, Housing and Food Services, Aug. 29, 1966, to May 29, 1982.

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Louise D. Warrin, Editor
C. Thomas Resler, Associate Editor
Diane M. Lisko, Editorial Assistant
Calendar Editor — 865-2501

(Stories continued from page 1)

Lerner

book chapters and some 70 scholarly articles. Dr. Lerner, with his wife, Jacqueline, an assistant professor of human development, administers a \$300,954 grant from the Charles D. and Catherine T. MacArthur Foundation.

The grant was made to enhance the archival and future contributions of the New York Longitudinal Study, the oldest human temperament project in existence. The Lerner has directed it since 1980.

During his tenure at Penn State, Dr. Lerner has taught no fewer than five different undergraduate courses and four graduate courses. A College of Human Development administrator who regularly interviews students wishing to transfer into Individual and Family Studies reports:

"I cannot tell you how many times, term after term, I learned that perhaps the

single greatest influence in such transfers was that an undecided student took IFS 129 with Richard Lerner, and was so attracted to the professor, the field, the department, and a future career path that he or she transferred into the major before the term was over."

"It's often argued that a good teacher can't be a good researcher," Dr. Lerner says. "I would argue, however, that a good teacher must be an active researcher. To be fully committed to research and scholarship, one must have a deep and enduring enthusiasm for the subject matter — to be a 'proselitizing' for one's scholarship. This kind of enthusiasm is essential to convince agencies to fund research proposals and journal editors to publish the results."

In his classroom lectures, Dr. Lerner tries to convey his excitement about his work. He never relies on notes, believing that his subject matter should be so "intrinsically ingrained" that he needs no "script."

Pointing out that scientists must often

communicate the findings of their research to audiences not specifically trained in their area of specialization, Dr. Lerner says: "Addressing an audience with diverse backgrounds and differing levels of expectations is part of being a scientist; it's also part of being a teacher. The skills one needs to communicate are the same, whether they are applied in a journal article, a professional presentation or in the classroom."

Looking back on his own student years, Dr. Lerner recalls that his best teachers were the most productive scholars. "They influenced me," he says, "because they really cared about their work; they were able to convey that their work mattered, that it was a very important way to spend one's professional life."

"Now in my own introductory IFS course, I strive not only for intellectual exchanges but also see my role as a 10-week 'commercial' — not just for my department or college but also for the disciplines that contribute to human development. I am telling a prospective

major that this is surely a worthwhile field to which to devote one's life.

"A major research university has a duty to create a level of intellectual excitement among its undergraduates that will lead them either to become active scholars or intelligent 'consumers' of the information generated through others' research and scholarship."

Because of his belief in the linkage between effective teaching and research productivity, Dr. Lerner seeks out academically promising undergraduate students and invites them to take independent study programs with him. At present, he is training nine such students, as researchers on his projects. Previous students have been accepted into such graduate schools as Harvard, Penn, Texas, Cornell and Oklahoma.

Summing up, he says: "The role prescription for being a superb scientist and a superb teacher are the same. That's what I'm striving for. I have years to go to attain this goal, but I'm trying very hard."

Rizzolo

and English literature from Temple University.

"At first I was concerned primarily with teaching basic skills in composition," says Dr. Rizzolo, an assistant professor of English, "but my interests broadened as more and more faculty members reported problems with their students' reading comprehension. I also recognized that students who were poor writers tended to be poor readers."

Dr. Rizzolo responded first by upgrading her own skills, taking post-graduate study to obtain a second master's degree in the psychology of reading. She developed a new course, Improving Reading and Study Skills, which, beginning with three students, has mushroomed until it is offered as often as six times a term.

"As a 'sweetener,' we tell students that

the course will help them become better test-takers," Dr. Rizzolo explains. "They respond better to that than to a course they are told will help them to improve their reading skills. We've even had 12th-term students from University Park enroll to brush up for the Graduate Record Examinations."

Ogontz's Reading and Writing Center averages between 100 to 250 student contact hours a week and has been hailed as a model by the Middle States Accrediting Association.

Dr. Rizzolo, who is still deeply involved with English composition and in developing students' abilities to write standard English prose, points out that an ever-increasing number of students enter college poorly prepared to read a textbook or write clearly.

"I can't tell you how many times I hear students say that they've never read a book clear through," she says. "In

English 4, we are covering material on commas that students should have had in elementary school."

In her own courses, Dr. Rizzolo emphasizes standards and expects students to meet course objectives, but she is never rigid.

"To help students achieve," she explains, "you have to meet them on their own level. If I say we'll cover 20 pages a day, and then in class see by their faces that they aren't picking up on what I'm saying, I prefer to slow down and have them learn rather than try to barrel through a set quantity of material. It's the quality of the learning process that's important."

"I'm more interested in how a student thinks than in right or wrong answers. The student should be able to explain the thinking process that helped him arrive at an answer. Sometimes that explanation shocks a student, but it's a tremendous

learning device.

"Academic disciplines are interconnected. If a student learns to think more critically in my English class, he will perform better in other areas, too."

The AMOCO award is not the first pedagogical prize Dr. Rizzolo has captured. Last year, she won the Ogontz Outstanding Teaching Award.

She has served as a consultant on basic language skills programs at Dickinson, Houghton and Franklin and Marshall colleges, as well as at Lincoln University. One of her tenets is that students need to be made to write in courses other than those offered by the Department of English.

"Students often resent being graded on their writing style in a political science or history course," she says.

"My response to that attitude is to ask them what language they think the course is being taught in."

Butt

maired in education at SUNY-Fredonia. Coming to Penn State in 1962 to work on a master's degree, he became a teaching assistant in speech.

"I enjoyed it so much I shifted my career goals to the college level," Dr. Butt continues, "and went on to get my D.Ed. in speech communication." He joined the faculty in 1969 as an assistant professor.

Colleagues point to Dr. Butt's ability to win praise as an outstanding teacher at all levels. He has successfully taught beginning college students with academic deficiencies in the Developmental Year Program. At the same time, he helped develop and now carries the major responsibility for the communication component of the College of Business Administration's MBA Program.

CBA was so pleased with Dr. Butt's contributions that he was asked to design and teach an undergraduate honors course for Business Administration

students. Dr. Butt took on that challenge and then put to work the experience he had gained in redesigning Sp.Com. 352, Speech Communication in Organizations. The degree of his success is indicated by the fact that this spring 213 students preregistered for the 90 slots available in Sp.Com. 352.

Dr. Butt teaches extensively for the Speech Communication department in its Continuing Education activities. He has been on the faculty of the Governor's School for the Arts, which is held during the summer at Bucknell University. He has conducted workshops at State and regional professional meetings and worked with elementary and secondary teachers as a consultant for the Pennsylvania Comprehensive Reading and Language Arts Program. At one time, he even organized a local nursery school to help very young children develop communication skills.

How does he maintain his enthusiasm in the face of such a heavy teaching schedule?

"I like what I'm teaching, and I believe in the importance of communication skills," Dr. Butt explains. "Students are learning at two levels — they develop critical, personal survival skills and they gain marketable techniques to help them in business and professional settings."

"My approach is to try to be very clear myself about my content objectives. I try to teach so that students feel they are discovering the material for themselves."

"And, of course, the bottom line is to make it personal — even when there are anywhere from 30 to 50 students in the class. Students have different levels of sophistication, motivation and readiness. It matters to me to find out why they're there and to try to build from that point."

To keep close tabs on what his students are doing, Dr. Butt uses case study exams rather than multiple choice questions, and he assigns papers.

He has passed on his ideas about teaching to countless students through LA 460, in which he works with undergraduate teaching interns.

"These are students," he explains, "who are interested in personal training and management development. They learn to see teaching as a decision-making process, as management training."

Dr. Butt has several research projects in progress. During the past six years, he has been taping and analyzing the contributions visiting executives in the MBA Program have made to the pedagogical content. He has also been studying children's conversations and stories to try to develop new ways to teach story-making with respect to the development of form. Next fall, he wants to start a project analyzing the methods teaching assistants employ in developing informal support networks.

Returning to his teaching philosophy, he told an interviewer: "Undergraduates need individual attention. They need to sense that what they are learning will make a difference in their personal lives as well as in preparing for a career or profession. In my teaching, I try to provide this extra personal touch."

Simonsen

advantage in their contacts with undergraduates.

"At University Park, when you're teaching 450 students," Dr. Simonsen continues, "it's pretty hard to say, 'Come see me after class.' At McKeesport, I have perhaps 35 to 40 students in a course, and it's more usual to have 20. Students who come to McKeesport with less than the best preparation can really be helped to succeed — provided they have the determination. Our Commonwealth Campus faculty has the opportunity to meet student needs on an individual basis."

Dr. Simonsen joined the faculty in 1970. He holds B.S. and M.A. degrees in education from Concordia College, Penn

State granted him an M.Ed. in 1969 and a D.Ed. in 1977, both in earth sciences. At McKeesport, his wide-ranging pedagogical responsibilities include teaching courses in geology, meteorology, geography and earth sciences.

"It's not quite as hard as it sounds," he says, "since my area of concentration at the master's level was in geology and my doctoral research was in paleontology."

"I like what I'm doing," he continues, "and I believe that it's essential to good teaching. Beyond that, you must develop ways to convey your interest in your field, or you aren't going to be able to interest the students. If you come to class looking like you're teaching the world's worst subject, you can hardly expect your students to become zealous in their pursuit of geology."

Because most Pennsylvania students

have no exposure to the earth sciences after the eighth grade, Dr. Simonsen feels it is his job to make them aware of the importance of the environment in their lives.

"So many people are relatively ignorant about earth science phenomena," he says. "They may have a little contact with biology or the physical sciences in high school, but rarely with geology, meteorology and the other earth sciences. I'm proud that a number of students have switched their majors after taking my courses because they were turned on by the subject."

Dr. Simonsen's presentations were described by one student thus: "His enthusiasm for his subject matter is so contagious he almost seems to make the rocks and fossils speak to his classes."

Dr. Simonsen has two previous teaching

awards to his credit. In 1972, he was presented an Excellence in Teaching Award on the recommendation of the Campus's students, and in 1980 received the Outstanding Teaching Award sponsored by the McKeesport Advisory Board. One of the citations noted: "He seems to sustain a near peak performance at all times and yet seems to improve each year."

"I believe in treating students with dignity," Dr. Simonsen says. "If you respect them, they will respect you. Our students at McKeesport are proceeding along a path in their educational careers. Perhaps some day, they'll venture farther along it than I have, but right now they are learning with me."

"I don't think of myself as 'the sagacious one', standing up in front of the

(Continued on page 6)

Della M. Roy receives award

Women and cement usually don't mix, but the combination works extremely well at Penn State.

The prime reason is Dr. Della M. Roy, professor of materials science in the Materials Research Lab and a pioneer in the chemistry of cement.

This week in Cincinnati, Dr. Roy will receive the John Jeppson Medal and Award from the American Ceramic Society "in recognition of her many scholarly contributions to ceramics as research scientist, teacher and leading authority on the basic chemistry of cement."

Dr. Roy, who came to Penn State in 1947, has published more than 140 technical papers and patents. She chaired the first Gordon Research Conference on cement and also founded and serves as editor-in-chief of the journal *Cement and Concrete Research*.

Dr. Roy's research team has a high proportion of women scientists and engineers: Dr. Elizabeth White, a civil engineer; Dr. Christine Langston, a solid state scientist; Joan Mishara, a visiting research associate from the Smithsonian Institute; Lillian Wakely, a geologically trained research assistant; Darlene Wolfe-Confar, senior research technologist; and Mariannella Perez, a graduate student in solid state science.

The proven abilities of Dr. Roy and her associates attract nearly \$1 million per year from research funding agencies. These include the U.S. Department of Energy, the National Science Foundation, the U.S. Bureau of Mines and a variety of private firms.

In recent years, she and her colleagues have focused on improving the properties of cement for radioactive waste management.

This research takes two directions. The first deals with how cement can be improved for sealing off radioactive waste repository sites. The second involves "optimizing" properties of cement which is then mixed with high and low level radioactive wastes. These cement composites currently are being used by a number of small industrial firms to solidify low level wastes for storage.

Her research takes still other directions. One concerns the effectiveness of reinforcing cement with fine glass fibers instead of steel rods for stronger, cheaper building materials.

Another involves using common industrial pollutants such as fly ash from coal or coal slag to make cement. This process shows promise because it saves the huge amounts of energy that are required to make cement under standard manufacturing procedures.

Dr. Roy and her colleagues are looking backward as well — to the ancient cements of Greek and Roman times. This allows them to study the long-term performance of cement and to apply that knowledge to their current research.

Dr. Roy earned her B.S. in chemistry from the University of Oregon in 1947. She earned her M.S. in mineralogy and chemistry in 1949 and her Ph.D. in mineralogy and ceramic science in 1952, both from Penn State.

Penn State Singers to perform May 12

Wednesday, May 12, will mark the first public concert of the Penn State Singers since being accepted as a permanent organization in Associated Student Activities.

The Singers, under the direction of their founder and adviser-director Raymond Brown, will perform at 8:30 p.m. in Room 112 Kern Graduate Building. A public reception will follow the concert.

There is no charge for admission and the public is invited to attend.



Dr. Anderson



Dr. Banks

Two Alumni Fellows will visit

Thomas J. Anderson Jr. of Medford, Maine, chairman of the music department at Tufts University, and Peter M. Banks of Stanford, Calif., professor of electrical engineering and director of the Radio Science Center at Stanford University, will visit University Park as Alumni Fellows May 9 through May 13.

Dr. Anderson, a 1951 recipient of a Penn State M.E.D., will be a guest of the College of Arts and Architecture.

Considered one of America's foremost black composers, Dr. Anderson will deliver a public lecture Monday, May 10, at 2:20 p.m. in the Robeson Cultural Center. He will speak on "Racial and Ethnic Directions in American Music Based on a Report Coordinated by T.J. Anderson for the College Music Society." The report will be released later this spring.

He also will speak during the School of Music Common Hour, from 1 to 2 p.m., on Tuesday, May 11, in the Music Building recital hall.

A group of School of Music faculty members and students will perform four of Mr. Anderson's works on Tuesday evening, May 11, at 8:30 p.m. in the Music Building recital hall. The public is invited to attend.

Before assuming his present position at Tufts, Dr. Anderson served on the faculties of Tennessee State University, Langston University and West Virginia State University.

He also was composer-in-residence with the Atlanta Symphony Orchestra and was co-director with Wendell Whalum of the Afro-American Music Workshop at Morehouse College. The workshop presented the premiere of Scott Joplin's opera, *Treemonisha*, orchestrated by Dr. Anderson and William Bolcom.

Included in Dr. Anderson's works for orchestra are some 10 compositions, including those commissioned by the

Nashville Symphony, the Atlanta Symphony and the Berkshire Music Center and Fromm Foundation.

Dr. Anderson, a native of Coatesville, Pa., received his bachelor's degree from West Virginia State College and his Ph.D. from the University of Iowa. He studied composition with Scott Huston, Philip Bezanon and Darius Milhaud.

Dr. Banks, a 1965 recipient of a Penn State Ph.D. in physics, will be the guest of the College of Science.

Appointed to his present position as head of Stanford's renowned Radio Science Center in 1981, Dr. Banks had previously been head of the department and professor of physics at Utah State University.

He received the 1981 Space Science Award from the American Institute of Aeronautics and Astronautics, and in 1978 he was the recipient of the Appleton Prize from the Royal Society in England.

As head of the Radio Science Center, Dr. Banks oversees research in radio science, especially in the areas of meteoritics, aeronomy, upper atmosphere physics and ionosphere research.

Currently a member of the NASA Space Science Advisory Committee and president of the Upper Atmosphere Research Corporation, Dr. Banks has served on many professional committees and organizations. In 1977-79, he was chairman of the NASA Science Definition Group for the Upper Atmosphere Satellite Program.

He also has been a consultant to numerous agencies and firms and was a visiting scientist on two different occasions at Germany's Max Planck Institute.

Dr. Banks, a native of San Diego who received his M.S. degree from Stanford, earned his Penn State Ph.D. while participating in a NASA Traineeship.

involved to general overall mission and objectives of the campus. Provide all instruction to employees to insure completion of jobs; assist in lay-outs. Make up employee work schedules; assign jobs in accordance with work orders; organize and schedule work crew. Maintain check of work in progress; evaluate employees' work performance. Administer Union-University Agreement. Equivalent of a high school education and competency in janitorial field, two to four years' effective experience in janitorial and custodial operations, plus demonstrated leadership ability required.

FINANCIAL AID AND ADMISSIONS COUNSELOR, CAPITOL CAMPUS — Responsible to the Director of Admissions for the coordination and interpretation of financial aid programs available to Capitol Campus students. Master's degree or equivalent in counseling, student personnel services, or a closely related field, plus up to one year of effective experience. Must have the ability to work with students, faculty, staff within the University and state and federal agencies.

SUPPLY ASSISTANT, PENN STATE BOOKSTORE, UNIVERSITY PARK — Select merchandise for sale and prepare orders for approval by supervisor. Maintain appropriate records, set prices for materials and merchandise materials effectively. Train and supervise assigned full-time and part-time clerical personnel. Assist supervisor in purchase of merchandise for distribution to the Bookstore System. High school education or equivalent and one to two years of effective experience are required.

Bibliographies input due soon

Members of the faculty and staff who wish their publications and professional activities listed in the University's annual bibliographies should send this information to their department heads, research deans or intercollegiate research unit directors.

Detailed instructions for the submission of these listings were given in a May 1 memo from Dr. Richard G. Cunningham, vice president for research and graduate studies. Copies of this memo are available from department heads and research deans.

Commonwealth Campus faculty members should send their listings to the respective department head at University Park, with an informational copy to their campus director and Commonwealth Campus dean.

Contributions should be in the department head's hands in sufficient time to reach the Office of the Vice President for Research and Graduate Studies by July 31.

The bibliography is printed in two publications, "Research Publications and Professional Activities" and "University Publications, Reports to Agencies, and Reviews."

To be included are books, research papers and articles substantive and/or final reports sent to state and federal agencies, informational material (articles and reports printed in non-refereed journals), and novels, short stories, musical compositions, exhibits of fine arts reviews, inventions, patents and any other activity that meets recognized standards of excellence in its field.

Additional information is included in the May 1 memo.

Funding Sources

For further information, call 865-1375

(376-1) The Resource Information Service (RIS) provides information to faculty and staff to support project funding for instruction, research, continuing education and for fellowships. RIS is the liaison between Penn State and the Office of Federal Programs (OFF) Washington, D.C. OFF provides Penn State with continuous monitoring of public and private agency programs. RIS reviews information from numerous sources including the Federal Register and the Commerce Business Daily and receives direct agency mailings. RIS makes information distributions to faculty and staff to promote an awareness of public and private programs, responds to faculty/staff inquiries about programs and program contacts, and through a Preliminary Proposal Outline (PPO) mechanism, helps locate project support funds with the assistance of OFF and Penn State's Office of Gifts and Endowments. For detailed information about available RIS assistance, contact M.R. Kohler, 5 Old Main, 814-865-0715.

(379-1) Travel grants to international meetings for humanists have a July 1 deadline date for travel between November and March and a March 1 deadline for travel between July and November. Call David Arenz, ACCLS, (212-888-1759) for forms and guidelines. (Ref. OFF July Deadlines)

(379-2) The NSF Development in Science Education Program (DISE) has a tentative July 1 deadline for projects in the area of technology in science education — 10th, 11th, and 12th grades and introductory college levels. Call the DISE office at (202-282-7910). (Ref. OFF July Deadlines)

(379-3) The Behavioral Sciences Research Program of ADAMH/NIMH has a July 1 deadline for projects of basic and applied research on psychological and psychosocial factors that influence behavioral development and modification. For information call Dr. Dayton Neal at (301-443-3942). (Ref. OFF July Deadlines)

News in Brief

Ritenour schedules blood pressure checks

May is National High Blood Pressure Month, and Ritenour Health Center, in cooperation with the American Heart Association, the Nutrition Information and Resource Center and the Nutrition Counseling Center, is sponsoring a blood pressure screening and education program. It will be held May 12 and 19 in Ritenour's lobby.

The program is aimed at members of the faculty, staff and student body.

"We've scheduled this program over the lunch hour to attract faculty and staff attention," Dr. John Hargreider, director of the Health Center, said. "Every one of us probably knows someone who has high blood pressure because it's such a common condition. And when we help people who have high blood pressure to keep it under control, we are helping them to reduce the risk of early death or disability."

Registration for the two-part screening program will be held between 11:30 a.m. and 1:30 p.m. May 12 at the Health Center.

Other events at Ritenour during the month of May include: a "computerized nutrition" program that will enable visitors to use a personal computer to examine and compare the nutritional value of snacks on May 12 and 19 from 11:30 a.m. to 1:30 p.m.; "Sodium in Your Diet," May 12 from 12 noon to 12:30 p.m.; and "How to Take Your Own Blood Pressure," May 19 from 12:10 to 12:50 p.m.

Panel to discuss

'Major Powers in Asia'

"Major Powers in Asia" will be the subject of a panel discussion featuring American, Chinese and Soviet diplomats tonight (Thursday) at 7:30 p.m. in Room 102 Forum.

Panel moderator, Parris Chang, professor of political science, points out that this is one of the very rare occasions when the representatives of the three major powers will sit together in an academic setting to discuss and debate on some of the controversial issues affecting their bilateral relations as well as the triangular relationship.

Mr. Pratt, whose diplomatic assignments include France and Taiwan, is currently deputy director, Office of Regional Affairs, Bureau of East Asia and the Pacific, Department of State.

Mr. Li is political officer at the Chinese Embassy in Washington. He studied American literature at Nanking University as an undergraduate in the 1950s and went to Norway to do graduate work at Oslo University. He joined the Chinese diplomatic service in 1960 and was in charge of Scandinavian affairs in the Chinese Foreign Ministry for many years. An adviser on West European affairs to the People's Republic of China Mission at the United Nations in 1972, he was transferred to Washington in 1979.

Mr. Arkharov is political counselor in charge of Asia at the Soviet Embassy in Washington. He had three tours of duty in China during the 1950s, 1960s and the 1970s and speaks fluent Chinese.

The panel is sponsored jointly by the East Asian Studies Society, the International Council, University Scholars Program and East Asian Studies Committee.

First Behrend Phonathon raises almost \$13,600

In its first telephone campaign ever, Penn State-Behrend Phonathon '82 has raised \$13,592 in pledges.

According to Ben E. Hancock, Jr., director of University relations, the more than 6,000 calls made to Penn State

alumni during a two-week period in late March and early April resulted in 960 pledges to The Behrend College Annual Fund.

The goal of Phonathon '82 was \$5,000.

Purpose of the campaign was to raise funds for three areas: instructional and research equipment, scholarships, and general unrestricted support of programs.

Some 100 volunteers were involved in the effort, including students, members of the faculty and staff, and representatives from the Penn State Club of Erie County.

Ancient historians meet here this weekend

More than 110 historians of ancient Greece, Rome and the Near East will gather at the University May 7-8 for the annual meeting of the Association of Ancient Historians.

The AAH has not met at Penn State since 1972, having held its annual convocations at such universities as Michigan, Colorado, Harvard and Stanford, according to Dr. Eugene Borza, professor of ancient history and organizer of the event.

Further information may be obtained by calling Dr. Borza at 865-1367.

Dr. Murphy to speak for Law and Justice Week

Dr. Bruce A. Murphy, assistant professor of political science, will speak on "The Frankfurter-Brandeis Connection: The Extra Judicial Activities of Two Supreme Court Justices" tonight (Thursday) at 8 p.m. at S. 209 Henderson Human Development Building.

Dr. Murphy's lecture, based on his recent book on that subject, is part of Law and Justice Week activities at the University.

The week's final lecture will be given tomorrow night (Friday) by Dr. William Chambliss, professor of sociology at the University of Delaware. He will discuss "Watergate and Other Organized Crime" at 8 p.m. in the HUB Assembly Hall.

Dr. Chambliss is widely known as a proponent of conflict theory in sociology and, in particular, the sociology of law. He has edited or written nine books, most recently *Organizing Crime*, a study co-authored with Alan Block.

The Law and Justice Week lectures are being coordinated by the Justice Action group, a student interest organization comprised primarily of undergraduates with majors in administration of justice in the College of Human Development.

Yale dean to lecture

Cesar Pelli, dean of the School of Architecture at Yale University, will present a public lecture Tuesday, May 11, at 7:30 p.m. in Room 10 Sparks as part of the lecture series of the Department of Architecture.

Mr. Pelli's New Haven-based architectural firm of Cesar Pelli and Associates was chosen for the prestigious commission of designing an extension to the Museum of Modern Art in New York. Among his other important commissions are the Pacific Design Center in Los Angeles and the American Embassy in Tokyo.

Concert Band to play

The Nitany Lion Concert Band will present a program on Fisher Plaza Wednesday, May 12, at 7 p.m. A surprise guest conductor will make a special appearance.

Selections to be heard during the evening include "American Variations" by Bilk, "Corsican Litany" by Nellybel, "Chant and Jubilo" by McBeth, "Parade of the Tall Ships" by Chattaway, and "Selections from Barnum." The flute section will be featured in "Flute Stand" by Hartzell.

The band is directed by Richard Bundy, graduate assistant to the Bile Band.

Symphony Orchestra to perform Saturday

Five works have been selected for a concert by the Penn State Symphony Orchestra Saturday, May 8, at 8:30 p.m. in Eisenhower Auditorium.

The Symphony will perform Sibelius's "Finlandia," Bizet's "L'Arlesienne, Suite No. 2," and accompany guest soloist Susan Klick in Mozart's Concerto for Flute. Also on the program are Kennan's "Night Soliloquy" and Tchaikovsky's "Marche Slave."

University and graduate students from all areas of study at the University make up the Symphony, which is conducted by Smith Toulson, associate professor of music.

Limited spaces available for Shakespeare Festival

A limited number of spaces are available for the trip to the Stratford, Ontario, Shakespeare Festival, sponsored annually by the Department of English.

This year, participants will leave for Stratford early Friday morning, July 23, and return Monday evening, July 26.

The \$97 price includes transportation in University vans, accommodations for three nights, and tickets to the following

Faculty/Staff Alerts

Fixed-Term 1 benefits

Faculty or staff members on Fixed-Term 1 appointments may continue certain University benefit programs for the period between appointments, provided they have a firm commitment of re-employment on a Fixed-Term or Standing Appointment basis to begin within no more than three months from the end of the last appointment.

A faculty or staff member may continue the benefit coverage by paying the full rates, including the University's and the faculty or staff member's share of the cost of the group life insurance and hospital/surgical/major medical, and dental and vision coverage, and, if applicable, the voluntary accidental death and dismemberment insurance. However, after three years of continuous Fixed-Term 1 service (of nine months or more each year), and a commitment of re-employment for the next academic year, the benefits are provided at the regular rates (the amount that is normally deducted from the faculty or staff member's salary).

Any Fixed-Term 1 faculty or staff member interested in continuing benefit coverage (including dependent coverage) should contact his or her Personnel Representative or Business Manager to complete the necessary form for coverage. This must be completed prior to the expiration of the current Fixed-Term 1 appointment.

Christmas-New Year's holiday schedule set

In order to assist University faculty and staff in personal plans for the Christmas/New Year's holiday period this year, this announcement is being made now by the Office of Personnel Administration.

Christmas Day 1982 and New Year's Day 1983 fall on Saturdays. The official University holidays, therefore, will be Thursday, Friday and Saturday, Dec. 23, 24, 25; Monday, Tuesday and Wednesday, Dec. 27, 28, 29 and Saturday, Jan. 1. University policies provide, however, that if a holiday falls on an employee's regularly scheduled day off, the employee receives another day off with pay to be used at another time. Thus, employees

plays: *Julius Caesar* on July 23; *The Merry Wives of Windsor* on July 24 and *The Tempest* on July 25.

In addition, tickets are available for a Saturday afternoon performance of *Midsummer Night's Dream* (\$7) and for a Sunday matinee of *The Mikado* (\$16). These tickets must be ordered when reserving space for the trip.

Reservations should be accompanied by a \$20 deposit. Persons wishing to make the trip should contact Dr. Judd Arnold at 865-9445, or at 238-2062 after 7 p.m.

Mother's Day concert is Sunday in Schwab

The annual Mother's Day concert of the Penn State Glee Club and Women's Chorus will be presented Sunday, May 9, at 3 p.m. in Schwab Auditorium.

Among the Glee Club's offerings will be a medley from H.M.S. *Pinafore*, "Hallelujah, Amen" from Handel's *Julius Macabreus*, and with guest artist Janice Wilson, the "Alto Rhapsody" by Brahms.

Included in the Women's Chorus' program will be several selections from Rodgers and Hammerstein's *The King and I* and "Salut Printemps" by Debussy.

Both groups are directed by Bruce Trinklein, an associate professor of music. Joel Westa serves as assistant director of the Glee Club and Brenda Harsch is assistant director of the women's chorus group.

who normally work Saturdays will receive two compensatory days off for the Saturday holidays.

Thursday and Friday, Dec. 30 and 31, 1982, are not University holidays, and offices ordinarily would be open those days. However, in order to provide the maximum energy savings, University offices and facilities, except for essential services, will be closed these two days as well. Thus, the University's offices will be closed from the end of normal operations on Wednesday, Dec. 22, 1982, until Monday, Jan. 3, 1983.

The compensatory days earned for the Saturday holidays will be used for the work absences caused on the Dec. 30 and 31 days because of University offices and facilities not being open. Those days closed, however, will not be official University holidays for premium pay purposes. Employees in essential services who qualify for the compensatory days but who must work Dec. 30 and 31 still will have their compensatory days off for use at a later time, so they will not have lost anything.

Those who normally are scheduled off on Thursdays or Fridays and who must work either or both of those days will be compensated in accordance with applicable University policy.

This special holiday schedule will not increase the number of holidays granted. It will, however, provide a generally more desirable and efficient application of the time off. The schedule will not affect the Milton S. Hershey Medical Center. Normal holiday scheduling practices will continue there.

According to the Office of the Controller, biweekly paychecks will be dated and available on Wednesday, Dec. 22, covering the payroll period Nov. 28 through Dec. 31. Automatic payroll deposits for biweekly checks also will be made Dec. 22. Monthly paychecks will be dated Dec. 31 and will not be negotiable until then, the normal end-of-the-month payday. However, again this year as a convenience to employees, the monthly paychecks will be available for Dec. 22 distribution on Wednesday, Dec. 22. Automatic payroll deposits for monthly checks, however, will not be made until Dec. 31.

Questions regarding the above holiday schedule information should be directed to the appropriate college or department personnel representative, or business officer at facilities away from University Park.

Fact and Fantasy in Coal Economics

Editor's note: This article is one in an ongoing series in which faculty members describe work in progress.

By Richard L. Gordon,

Professor of Mineral Economics
Discussions of coal seem invariably to go to extremes. The more familiar expositions talk of the ample supplies and the prospects of coal retaining prominence in U.S. energy supply. The alternative view is one of a backward industry producing a dirty fuel by socially undesirable methods. A natural inclination is to suspect that the truth lies in between extremes, and work on coal economics has involved continued efforts to find the realities underneath the various excesses of rhetoric.

My research on U.S. coal began in the late sixties as the natural extension of prior work I had done on European coal policies. The initial motivation was a simple recognition that coal was the least adequately understood of U.S. energy resources. The work has persisted because my initial studies made clear the existence of important problems requiring analysis and regular reappraisal. Support was provided by Resources for the Future, the National Science Foundation, the Bureau of Mines, and the Electric Power Research Institute.

The primary need was to clarify the role of coal in U.S. energy markets and create an understanding of the achievements and prospects of the industry. However, numerous government policies have been imposed to affect (usually adversely) the attractiveness of producing and consuming coal. Considerable work was required to appraise both the wisdom of these policies and their effects.

Since energy problems obviously are of great interest, it is fortunate for researchers that great amounts of information are available; moreover, this material consists largely of undigested facts badly in need of systematic appraisal. The most obvious sources are the many government statistical publications devoted to energy. In addition, the government has issued numerous studies on the history and prospects of energy and upon the public policies that should be applied to alter developments. Other studies emerge from the fuel producing industries, major fuel consumers, and the numerous research firms available to provide studies to interested parties.

To understand the appraisal process in

coal, it is desirable to skip ahead immediately to a fuller view of the conclusions coal analysis has produced. Aside from the intrinsic interest of these conclusions, they help to suggest what counts in coal research.

Since World War II, the distribution of coal use among customer types and regions has changed radically. The Northeast quarter of the United States remains the main center of coal use, but markets in the South and West have become a larger part of the total. Not only has there been greater growth in these regions but rising natural gas prices have encouraged coal use where gas would have been used. The nature of coal use has also radically changed, with a narrowing of the types of markets served. In 1947 coal was used as a heat source by manufacturing firms, households, and the railroads. The last market vanished; household use has become a few million tons, and manufacturing use also has declined. Therefore, about 79 percent of coal use in 1981 was by electric utilities. Most of the rest of U.S. coal consumption was by industry with about half used to make coke for iron making.

Judicious viewing of portions of the large amounts of data provided by the federal government's energy statistics program can help a researcher sense important historical trends. For example, because of the extremely long lead times in completing coal mines and the electric power plants that are the most likely coal users, indicators of future developments are provided by various surveys conducted of plans to build new mines and powerplants. In the latter case, the tracking I have done of these estimates over the past several years alerted me to growing tendencies to slow capacity addition — largely it appears in recognition of the prospects that demand growth would be much slower than either the historical trend or the rates the industry had been forecasting.

The process of legislating and implementing controls on the production and use of coal generates substantial information — principally through the numerous appraisals of the impacts made for both the government and affected industries.

It also has been extremely helpful to supplement examination of written material with conversations with a range of people in government, the coal industry and leading coal consuming companies. Such discussions produce insights into the complexities of the



Dr. Gordon

problem that often are absent from the formal record.

Analysis of government policies is yet another major element in my research. With National Science Foundation funding, an extensive effort was made to measure as effectively as the available data allowed the impact of the 1969 Coal Mine Health and Safety Act on accident rates and costs in coal mining. The results raised considerable doubts about whether the gains were sufficient to justify the expenses. The project also involved a case study on western strip mine reclamation involving a mine quite similar to most of those in the Northern Great Plains. The work suggested that the conclusions of prior studies made of reclamation in Appalachia probably applied in the West. The readily measurable damages such as lost recreation have values far less than the costs of reclamation. Thus, the case for reclamation essentially rests on the belief that the less tangible benefits of restoring land to its prior condition are worth the expense (wherever the land may be and what it looks like).

More modest but more conclusive analyses were conducted on the efforts to regulate conversion to coal and to restrict leasing of federal coal lands. In work completed in early 1979 within a few months of the passage of the National Energy Act, it was possible to conclude that the fuel shifting policies proposed were unlikely to produce much effect. The leasing analysis suggested that fears over monopoly and underpayments to the federal government for coal leases were unjustified but nevertheless driving

policies. In fact, the greatest threat to competition was that leasing limits hindered the entry of new firms which needed leases to permit operation.

A further research need is to combine these and other appraisals of the wisdom and impacts of public policies into the overview of coal prospects. In fact, the synthesis produces a major research conclusion that while political rhetoric talks of encouraging coal use, practice has involved increasing the difficulty of coal use.

For the past two years, my research has moved into problems critical to coal but arising in the general regulation of electric power by public utility commissions. Work on coal had indicated growing problems in completing electric power plants and examination of the problems made clear that a major influence was the unwillingness of public utility commissions to raise rates to reflect the rising costs of electricity production. This has produced a detour into the area of electric power regulation leading to a book appearing in 1982 on *Reforming the Regulation of Electric Utilities*. It argues that the public utility concept has outlived its usefulness and that deregulation would produce socially preferable results. It is also suggested that simultaneously with deregulation there should be reform of the type of nuclear, air pollution, and siting regulation that compounds that industry's difficulties.

At present, I am moving back into viewing coal developments. A variety of work I have done for the Electric Power Research Institute led to starting examination of historic production and consumption trends and suggested need for further examination of these trends and their implications for future developments. It becomes increasingly apparent that existing forecasts inadequately draw upon the historical record and miss its implication.

Earlier work suggested that the difficulties of the seventies were something less than the coming of Armageddon feared by many politicians and journalists. Conversely, the declines of oil prices in 1981 and 1982 probably do not press our return to the Eden enjoyed in the sixties. Moreover, declining public interest in an issue only means that its severest impacts have receded. The remaining problems may not be pressing, but they can still be costly and worthy of reform. The inadequate reforms of good times may be as serious a problem as the overactions in crises.

Zimbabwe

(Continued from page 1)
development programs."

The university also must find means to expand opportunities for Zimbabwean students. Before independence, the university had slightly more than 1,800 students; this year, some 3,000 are enrolled. But as educational opportunities are expanded at the elementary and secondary school levels, the number of students who will be ready to enter the university will grow; and within six years, facilities must be found to accommodate a student body of 10,000.

"Our needs are of an enormous size compared to our resources," Professor Kamba said simply.

In respect to expanding the curriculum, Professor Kamba was more cautious. The university now has faculties in agriculture, arts, commerce and law, education, engineering, medicine, science and social studies. It hopes to add veterinary science this year and perhaps mining engineering at a later date.

In considering the relationship between university and government, Professor Kamba said that the government accepts the fact that for the university to be run effectively, it must enjoy a substantial

degree of autonomy and academic freedom.

But he observed that the English model of a university with its emphasis on the pursuit of knowledge for its own sake is a luxury a developing country cannot afford, especially a country that has only one university.

"It is essential that the university be seen to contribute to the needs of the country, and if a proper balance is established, then the government will accept and support it," he said.

"It is also accepted that the effectiveness of our contribution to national development depends on the quality of our graduates; otherwise we will be perpetually condemned to depend on outside expertise."

"But relevance does not necessarily mean a drop in academic standards," Professor Kamba emphasized. "At present our entrance standards are higher than those of any other African university, including those in South Africa."

Professor Kamba stressed the importance of developing a relationship between the needs of the country and the disciplines represented in the university and noted that students should be encouraged to enter disciplines to meet these needs.

"This can only be done, however," he concluded, "if we have accurate information. Then the entire educational system could cooperate to inform students about their country's needs to give them a basis on which to make the proper choices. Since most of our students are supported by state grants, they could also be guided into necessary academic decisions if the number of grants available for study in various fields were controlled."

Simonsen

(Continued from page 3)
class doing out wisdom. As the student reflects and we discuss problems, I can learn something, too."

Obviously, Dr. Simonsen's approach brings results. The campus had about a dozen students in the earth sciences when he started teaching; today, there are more than 40.

"I try to involve my students in research," he observes. "Last year, for example, as part of an independent study project, one of my geology honors students co-authored a paper with me. The paper, 'Microfossils in Sediments from the Wymys Gap Limestone (Mississippian) in Southwestern

Pennsylvania,' was presented at a meeting of the Pennsylvania Academy of Sciences."

"My own research involves collecting and studying fossils at various sites, most recently in Kansas."

A University Faculty Senator, Dr. Simonsen is active in community work in McKeesport. And he doesn't intend to rest on his teaching laurels.

"We're getting into computer-assisted instruction at McKeesport," he says, "looking into programs that will help students in need of remediation and also into those that can provide extra stimuli for our honors program candidates."

Lecture to focus on Athens' monuments

Colin N. Edmonson, of the American School of Classical Studies in Athens, will speak on "Old Sites in New Pollution: The Preservation of Ancient Monuments in Modern Athens" Monday, May 10, at 8 p.m. in Room 101 Kern Building.

He will discuss the deterioration of the major monuments from urbanization and pollution. In recent years, the Greek government has begun a serious effort to halt the erosion of the Acropolis, including the Parthenon.

Editor's note: The following chronology describes calendar changes and discussions during the past 25 years.

October, 1957 —

Incoming President Walker stressed the need to change the calendar to achieve year-round operation.

February, 1960 —

Senate voted calendar authority to the administration noting that excellence is possible under any calendar system.

October, 1960 —

System Walker announced the four term system effective in the summer of 1961; the fall term began about October 1 and the spring term ended in late May.

January, 1961 —

Collegian survey of faculty reported even division between semester and term advocates.

January, 1961 —

Collegian poll reported 55 percent of students were opposed to the term calendar and 71 percent thought the quality of education would probably go down.

June, 1961 —

Senate formally adopted the "Basic Calendar Policy" of the new term system; all examinations were to be held in regularly scheduled class periods; there was no examination period as such.

June, 1962 —

A final examination period of three days was added to each term. The spring term ended in mid-June.

December, 1964 —

Senate discussion on problems of the class schedule.

April, 1965 —

Senate report on class schedule problems.

September, 1967 —

The Senate considered a letter from the chairman of the Committee on Resident Instruction suggesting calendar modifications.

October, 1967 —

Senate subcommittee met to discuss calendar problems under the term system.

November, 1967 —

Further discussion of problems on the calendar.

August, 1968 —

Senate reviewed calendar options.

December, 1968 —

Senate reviewed calendar options.

March, 1969 —

Senate considered a semester calendar.

May, 1969 —

Senate considered a semester calendar.

June, 1969 —

Senate considered a semester calendar.

July, 1969 —

Senate considered a semester calendar.

February, 1970 —

Extension of Thanksgiving recess discussed by the Senate.

November, 1970 —

Senate considered making a calendar study.

July, 1972 —

Revision in term calendar suggested to complete the academic year before mid-June.

October, 1972 —

President Oswald, in suggesting changes in the calendar, noted for the Senate's information that the Board of Trustees, in its governance documents of June, 1970, delegated the responsibility for setting the University calendar to the President. The proposed calendar shifted the academic year to begin around Labor Day. The issue was considered by the Committee on Academic Affairs of the Senate. The Committee endorsed the basic principle of three terms occurring between Labor Day

and the beginning of June, insisted on an examination period, acknowledged the "many demonstrable problems" of beginning the winter term before the winter recess but recognized that a three term calendar required such action, did not support a spring recess, was prepared to accept orientation occurring within rather than prior to each term, and could not support a summer of two five-week sessions. The calendar as proposed was approved by voice vote.

October, 1972 —

The new term calendar for the period Summer, 1973, through Summer, 1976, was announced; arrival date in the fall was typically the Tuesday after Labor Day, the winter term was split by the December recess and spring term commencement was typically the last day or so in May.

March, 1973 —

The President's Commission on the Academic Calendar was appointed jointly with the concurrence of the Faculty Senate and after consultation with the Council of Academic Deans.

December, 1973 —

First meeting of the President's Commission on the Academic Calendar.

August, 1974 —

Capitol Campus calendar different from the rest of the University was approved; the Capitol Campus calendar ended the fall term in mid-December and began the winter term in early January.

October, 1974 —

Experimental summer term calendar for 1975 approved; a standard six week session was superimposed in the middle of the ten-week term.

February, 1975 —

The President's Commission on the Academic Calendar submitted a final report; the report was in two parts with ten members favoring an early semester calendar and seven members favoring a modified term calendar.

May, 1975 —

President Oswald extended the existing term calendar through 1976-77 with a lengthened exam period which had the effect of requiring orientation and registration prior to Labor Day in 1976.

April, 1976 —

Modified term calendars for the period from the Fall, 1976, through the Fall term, 1983, announced by President Oswald.

April, 1978 —

Ad Hoc Committee appointed by Provost Eddy to consider a change from the term to the semester calendar.

July, 1978 —

The Provost's Ad Hoc Committee reported disagreement as to the preferred calendar type; the committee reported that the "early semester calendar with an extended mid-winter recess would be the most effective in saving money. No change was made in the calendar.

January, 1980 —

List of calendar issues prepared at the request of Provost Eddy.

February, 1980 —

Subcommittee of the President's Staff reported a list of issues to be considered in changing to a semester calendar.

July, 1980 —

Calendar issues material provided to the University Faculty Senate; calendar type definitions provided.

A Calendar Chronology

September, 1980 —

President Oswald advised the University community that he was inclined to return Penn State to a semester calendar; all interested individuals and groups were asked to share their thoughts with him by December 1, 1980. That procedure was discussed with and concurred in by the Faculty Advisory Committee and the Council of Academic Deans.

November, 1980 —

Senate Forensic Session on the early semester calendar proposal; ten standing committees of the Senate reported on calendar change discussions.

— The Academic and Physical Planning Committee reported that "no insurmountable obstacles have been identified; solutions can be visualized for all problems known to us"; the Committee on Admissions, Records and Scheduling noted advantages and disadvantages in admissions, commented on scheduling and registration, suggested a six-day examination period in each semester, and noted potential cost savings from the reduction in activities such as registration and scheduling.

— The Committee on Commonwealth Campuses and Continuing Education reported that the impact on continuing education would be minimal and listed liabilities and benefits both academic and nonacademic for the Commonwealth Campuses; the Committee on Curricular Affairs took no position on the proposed calendar change and noted such matters as the opportunity to review programs and the fact that the period of transition will make heavy demands on the Curricular Affairs Committees at all levels.

— The Committee on Faculty Affairs noted such matters as workload, research, contractual change possibilities, sabbaticals, and P5-23 procedural changes but took no stand one way or the other; the Committee on Intra-University Relations reported that the Committee generally tended to favor the proposed change.

— The Committee on Libraries concluded that there is a rich potential for "providing an enriched educational experience for students via a semester system" but suggested budget problems were possible in the Library; the Committee on Research concluded that "impediments to research could be serious" and that with regard to research "the Committee finds few positive elements."

— The Committee on Student Affairs, Awards, and Scholarships characterized its report as serving "neither as an advocate for, nor against, the proposed calendar change" but identified issues and recommended attention to specific concerns; the Committee on Undergraduate Instruction noted faculty concerns on instructional workload and contractual arrangements as well as questions about repackaging of courses, length of student residence and special programs.

— A door handout from the President responded to issues which had been raised. Specifics included assurances that tuition would not increase and that faculty salaries would not change because of the calendar, the statement that program restructuring could favorably affect faculty-instructional workload, and assurance of continued transfer policies for Commonwealth Campus students and presentation of sample calendars and class schedules.

— The President called attention to the fact regarding the calendar "that each of the assumptions on which that calendar is

drawn would be affirmed or changed in the decision making only if the conversion to the early semester calendar is made" and also noted that "the specifics of a class schedule would be a topic for decision making in the normal process if the calendar conversion decision is made."

— Following the Committee reports, 23 senators of 206 and 2 non-senators made various comments about the proposed calendar change.

December, 1980 —

The University Council and the deans of each of the colleges reported on the results of calendar discussions.

March, 1981 —

The changeover to the early semester calendar was announced in a special issue of INTERCOM; details of the first five year calendars were included; the Calendar Conversion Council was appointed.

April, 1981 —

The Calendar Conversion Council held its first meeting.

May, 1981 —

Calendar Conversion Council requested program review and revision material from the colleges.

May, 1981 —

Sabbatical Leave Committee of the Calendar Conversion Council was appointed.

July, 1981 —

Standing Summer Session Committee was appointed; Faculty Contracts Committee was appointed; report from Sabbatical Leave Committee was received; analysis of the "Basic Six" semester programs was received.

September, 1981 —

Class Schedule Principles were adopted by the Calendar Conversion Council; Facilities/Faculty/Program Match proposal was adopted by the Calendar Conversion Council.

October, 1981 —

Preliminary report of the Class Schedule Committee was received by the Calendar Conversion Council.

November, 1981 —

Staff and Clerical "Contracts" Committee was appointed by the Calendar Conversion Council; Sabbatical Leave Committee recommendations were approved by the Calendar Conversion Council; Council approved appointment of a Communications Committee.

December, 1981 —

Report of the Faculty Contracts Committee was approved by the Calendar Conversion Council; three class schedule options were distributed to the colleges at University Park for their priority determination.

February, 1982 —

The report of the Standing Summer Session Committee together with the Principal Recommendations for the New Summer Session were approved by the Council to forward to the President; four recommendations from the first meeting of the Communications Committee were approved by the Calendar Conversion Council. The recommendations dealt with expediting various procedures.

February, 1982 —

The Instructional Workload Study was distributed to the Calendar Conversion Council; the Graduate Assistant Stipend Study was received by the Council, and the Principal Recommendations concerning it were approved by the Calendar Conversion Council.

March, 1982 —

Procedures for degree conferral at the end of the fall semester were recommended by the Council; a Committee was appointed to develop definitions for the extended summer session; the chairman of the Communications Committee announced that subcommittees were at work on a semester newsletter and a semester transition handbook.

University Park Calendar

May 6 - 16 Special Events

Thursday, May 6

HUB Craft Center sale, 10 a.m.-4 p.m., Fisher Plaza. Also May 7.

Public lecture, Morris T. Keeton, Council for the Advancement of Experiential Learning, on "Effective Uses of Experiential Learning in Instruction," 2:15 p.m., 402 Keller.

Kern Classics, *Slouth*, 7 and 9 p.m., 112 Kern. New German Cinema, Herzog, *Stroszek*, 7 and 9 p.m., HUB Assembly Room.

Philosophy/13th Annual Doffter Lecture, 7:30 p.m., 101 Kern. John E. Smith, Clark Professor of Philosophy, Yale Univ., on "Being and Willing."

Panel discussion, "Major Powers in Asia," featuring American, Chinese and Soviet diplomats, 7:30 p.m., 102 Forum. Panel moderator: Parris Chang, political science. Assoc. of Ancient Historians Annual meeting, sponsored by IAHIS, through May 9. For information, call Dr. Eugene Borza, 863-0046.

Law and Justice Week lecture, 8 p.m., S. 209 Henderson Human Development. Bruce A. Murphy, political science, on "The Frankfurt-Brandeis Connection: The Extra Judicial Activities of Two Supreme Court Justices."

Penn State Thespians, *Bye Bye Birdie*, 8 p.m., Schwab. Also May 7, 8, May 9, 2 p.m.

Friday, May 7

Last day for signing Spring Term NDLS and University Long Term Loans, 108 Shields.

General Education Conference, Opening Session, 1:30 p.m., Music Bldg. recital hall.

Speaker, Jerry Gaff, director, Center for General Education, American Assn. of Colleges, on "Developing Structures for Renewing General Education." Concurrent Panels, 3:30 p.m., Keller Conference Center.

Keynote address, 8:30 p.m., Music Bldg. recital hall. Harlan Cleveland, director, Hubert H. Humphrey Institute of Public Affairs, Univ. of Minnesota, on "Shouldn't We Also Be Educating for Wisdom?"

Yugoslav Cultural lecture, 2:30 p.m., Rare Books Room. Pattee, Budimir Loncar, Yugoslav Ambassador, on "American-Yugoslav Relations."

Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. John Opie, Duquesne Univ., on "The Aesthetics of Arid Lands."

Cinematheque, *Gates of Heaven*, 7 and 9 p.m., 121 Sparks. Also May 8.

Commonplace Theatre, *Stripes*, 7 and 9 p.m., 112 Kern. Also May 9.

Law and Justice Week lecture, 8 p.m., HUB Assembly Hall. William Chamblis, Univ. of Delaware, on "Watergate and Other Organized Crime."

GSA Coffeehouse, 8 p.m., 102 Kern. Sports: volleyball (men), NCAA Championships, also May 8.

Saturday, May 8

General Education Conference, Concurrent Panels, 9 a.m., Keller Conference Center. Plenary session, Keller Conference Center Auditorium, 11 a.m. Presentations: "The Revision of General Education," Provost Edward D. Eddy; "Recommendations for the Future," Theodore L. Gross, provost and dean, Capitol Campus; "The Next Steps," President John W. Oswald.

Symphonic Cinema, Herzog, *Aguirre, the Wrath of God*, 7 and 9 p.m., 112 Kern.

Penn State Symphony Orchestra concert, 8:30 p.m., Eisenhower.

Sunday, May 9

Honors Convocation, 2 p.m., Eisenhower. Speaker, Bruce Murphy, political science, on "Penn State and the Ivy League Syndrome."

Penn State International Dances performance, 3 p.m., 132-133 White.

Glee Club and Women's Chorus Mother's Day concert, 3 p.m., Schwab.

Monday, May 10

Sports: golf (men), NCAA District II Playoffs at Totters; baseball vs. Gettysburg, 1:30 p.m. Public Lecture, 2:20 p.m., Robeson Cultural Center. Alumni Fellow Thomas J. Anderson Jr., Tufts Univ., on "Racial and Ethnic Directions in American Music Based on a

Yugoslav Ambassador to speak



Ambassador Loncar

Yugoslav Ambassador Budimir Loncar will speak on "American-Yugoslav Relations" Friday, May 7, at 2:30 p.m. in the Rare Books Room of Pattee Library. A question and answer session will follow.

His talk is sponsored by the Department

Report Coordinated and Edited by T.J. Anderson for the College Music Society."

IAHS Lecture, 8 p.m., 101 Kern. Colin N. Edmonson, American School of Classical Studies in Athens, on "Old Sites in New Pollution: The Preservation of Ancient Monuments in Modern Athens."

Women's Studies, 8 p.m., Eisenhower. Shirley Chisholm on "Women in Power."

Tuesday, May 11

School of Music Common Hour, 1 p.m., Music Bldg. recital hall. Speaker: Alumni Fellow T.J. Anderson Jr.

APPLE MUG meeting, 7 p.m., beginners; 7:30 p.m., group meeting, 189 Materials Research lab.

Department of Architecture lecture, Cesar Pelli, professor and head of architecture, Yale Univ., 7:30 p.m., 10 Sparks.

GSA Council meeting, 7:15 p.m., 101 Kern. School of Music concert, featuring the work of Alumni Fellow T.J. Anderson, 8:30 p.m., Music Bldg. recital hall.

Wednesday, May 12

Ritenour Health Center, Blood Pressure Screening and Education program, Ritenour lobby. Registration: 11:30 a.m.-1:30 p.m.

Also May 19. Computerized Nutrition program, 11:30 a.m.-1:30 p.m., "Sodium in Your Diet," noon-12:30 p.m., May 12.

"How to Take Your Own Blood Pressure," 12:10-12:50 p.m., May 19.

Nittany Lion Concert Band concert, 7 p.m., Fisher Plaza.

Women's Studies, Sara Waddington, special assistant to former President Carter, 8 p.m., Schwab.

Symphonic Wind Ensemble Chamber Music concert, 8:30 p.m., Music Bldg. recital hall.

Penn State Singers concert, 8:30 p.m., 112 Kern.

Thursday, May 13

Fixed date for meetings involving Commonwealth Campus faculty. Also May 14.

New German Cinema, Fassbinder, *The Third Generation*, 7 and 9 p.m., HUB Assembly Room. Also May 14.

Museum of Art film, *Grandeur and Obscurity*, 7 p.m., First Floor Gallery.

University Readers, *Size 12 Boot*, 7:30 p.m., 112 Kern.

Black Studies Program lecture, 7:30 p.m., Robeson Cultural Center conference room. Joseph Brooks, Emergency Land Fund, Atlanta, Ga., on "The Status of Blacks in the Rural South: Saga of a Declining Resource Base."

of Slavic Languages and the Slavic Language and Area Center. The public is invited to attend.

Mr. Loncar, 57, was appointed Ambassador of the Socialist Federal Republic of Yugoslavia to the United States on Nov. 28, 1979.

In 1949, he joined the Yugoslav Federal Secretariat for Foreign Affairs. He served as consul in New York from 1950-56. From 1956-64, he was director of the Analysis and Planning Group and from 1964-65 served as adviser to the Federal secretary.

Mr. Loncar has held successive tenures as ambassador to the Republic of Indonesia (1965-69); as adviser to the Federal Secretary with ambassadorial rank (1969-73); as ambassador to the Federal Republic of Germany (1973-77); and as undersecretary for political affairs (1977-79).

He has participated in 17 sessions of the U.N. General Assembly, and as a Yugoslav delegation member, has attended many gatherings of non-aligned countries.

A 1941 participant in the National Liberation War, he served in the Yugoslav Armed Forces until 1949 and is currently a reserve colonel.

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Friday, May 14

Deadline for graduate students to submit petitions to Records Office to graduate in absentia in May.

STS/Three Cultures Dialogue, 12:20 p.m., 101 Kern. Talks by Donald H. Ford, human development, and Marlene Wadsworth, family studies.

Sports: track and field (men), Penn State Open, 3 p.m.; golf (women), Lady Lion Invitational, through May 16.

Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. George Macinco, Central Washington Univ., on "Reclamation of Mined Land."

Commonplace Theatre, *Altered States*, 7 and 9 p.m., 112 Kern. Also May 16.

GSA Coffeehouse, 8 p.m., 102 Kern. Cinematheque, *The Lady from Shanghai*, 7 and 9 p.m., 121 Sparks. Also May 15.

Saturday, May 15

France-Cinema, De Broca, *Practice Makes Perfect*, 7 and 9 p.m., 112 Kern. Also May 17.

Seminars

Thursday, May 6

Chemistry, 12:45 p.m., 333 Whitmore. Dietmar Seyferth, MIT, on "Aspects of Transition Metal Sulfur Chemistry."

Economics, 3 p.m., 101 Kern. James Tobin, Yale Univ., on "An Unapologetic Keynesian View of Current Macroeconomic Policy."

Ecology, 4 p.m., 8 Mueller Lab. Robert Singer, Colgate Univ., on "Effects of Acidic Precipitation on Aquatic Food Chains."

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Friday, May 7

German, 4 p.m., S-328 Burrows. Karl S. Guthke, Harvard Univ., on "Fontane's Craft of Fiction: Art or Artifice."

Monday, May 10

MC3B, 4 p.m., 101 Altohouse. John Mullet, Rockefeller Univ., on "The Synthesis and Assembly of Chloroplast Chlorophyll-Protein Complexes."

Entomology, 4 p.m., 204 Patterson. Robert M. Peters, biology, on "The Genetics of Behavior in the Parasitic Wasp, *Brachymeria hebetor*."

Tuesday, May 11

Metalurgy, 9:45 a.m., 301 Steidle. K.P. Moll on "Microstructural Development in the Ni-Zr System"; S. Kaja on "Low Temperature Diffusion in Electrodes"; B. Amos-Forsen on "Dissolution Mechanisms of Nickeliferous Latrites."

Solid Waste Management, 2:30 p.m., 128 Sackett. D.W. Gilbert on "Development of an Industrial Hazardous Waste Program."

Plant Pathology, 3:45 p.m., 213 Buckhout. S.P. Pennypacker on "Epidemiology Research." German, 8 p.m., 124 Sparks. Ingeborg Henel, Yale Univ., on "Die Grenzen der Deutbarkeit von Kalkas Werk."

Geosciences, 3:45 p.m., 22 Deike. Muri Mangham, Univ. of Hawaii, on "Velocity Structure across the Samal Ophiolite, Oman."

Thursday, May 13

Chemistry, 12:45 p.m., 333 Whitmore. William R. Heinemann, Univ. of Cincinnati, on "Thin-Layer Spectroelectrochemistry of Inorganic and Biological Systems."

Philosophy, 3:30 p.m., 101 Kern. Alphonso Lingis, philosophy, on "Passive Action"; Richard Cohen, philosophy, on "The Privilege of Reason and Play: Levinas and Derrida."

Physics, 3:50 p.m., 117 Osmond. K. Johnson, MIT, on "Current Status of the Bag Model of Hadronic Structure."

Friday, May 14

Engineering Science and Mechanics, 4 p.m., 215 Hammond. M.R. Louthan, Virginia Polytechnic Inst., on "Environmental Degradation of Materials."

Exhibits

Chambers Gallery: Undergraduate School of Visual Arts Show.

Kern Gallery: Robert Milnes, ceramics, and Roger Pollok, clay.

Museum of Art: Director's Choice, Selected Works from the Museum's Collection. Sculpture and Sculptural Objects from the Museum's Collection.

Dora de Pedry-Hunt, medals and sculpture.

Pattee Library: Rare Books Room: 100 Years of Diplomatic Cooperation Between Yugoslavia and the United States, through May 17; Goethe: The Fortunes of Faust.

East Corridor Gallery: Lois Johnson, prints. Main Lobby and Second Floor: Ed: Sandra Braund, Dean Enross, Linda Rossman, recent works.

Lending Services Lobby: Heather Bentz, recent work.

Visual Arts Bldg., Zoller Gallery: Undergraduate Student Exhibition.

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Senate debates grade changes, sabbaticals

Compared with past years, a light docket awaited the University Faculty Senate at the first of its two May meetings, a week ago last Tuesday.

There was no shortage of debate, however, as senators discussed a controversial report on grade adjudication and another on sabbatical leaves.

The topic of calendar conversion opened the session, eliciting a statement from Dr. Robert Schmalz, professor of geology.

"As a member of the Senate, I feel increasingly strongly that it is time for us to stop criticizing the proposed semester plan when there was ample opportunity to do so long ago," Dr. Schmalz said. "I am particularly sorry to see a small but rather intelligent and respected group of the faculty investing substantial amounts of their time and effort in this criticism when their efforts are unlikely to do more than cause confusion in an already chaotic transition and represent an investment of creative thought and personal effort which would be more profitably applied in making a new calendar as effective as possible."

To argue that problems arising from the conversion are insurmountable is "patent nonsense," Dr. Schmalz continued, noting that "most of the outstanding research and instructional institutions in the country are on semester calendars and have been for years."

He concluded: "I think we should and hope we will devote our talents, imagination, and creativity to the challenge of the conversion in the next year, seeking ways to exploit the change to make our courses and our curricula and our research programs more effective, more efficient and more stimulating. . . ."

The Senate considered three legislative

(Continued on page 5)



A serious moment at the Conference on General Education finds Provost Eddy, President Oswald and Dr. Tischler attending to Dr. Gaff.

Group to provide input on general ed

Delegates to the Conference on General Education held last Friday and Saturday at University Park heard five addresses, in addition to participating in a series of panel discussions.

Serving as co-chairs of the conference were President Oswald, Provost Eddy and Dr. Nancy M. Tischler, chairman of the University Faculty Senate.

Theodore L. Gross, provost and dean of the Capitol Campus, acted as chair of the Subcommittee on the Plenary Session. Carol A. Cartwright, acting associate dean for academic affairs of the Commonwealth Educational System, was chair of the Subcommittee on Continuing Programs.

Following are accounts of the talks presented by Dr. Oswald, by conference keynote Harlan Cleveland and introductory speaker Jerry Gaff, and by Dr. Eddy and Dr. Gross.

Concluding the two days of meetings of the Conference on General Education, President Oswald announced "to bring together the best ideas and recommendations of the conference" after reviewing the materials that have been developed.

The group will present a set of recommendations to Dr. Oswald, Provost Eddy and the chairman of the University Faculty Senate reflecting the conference's outcomes.

Chairman of the group will be Robert W. Carruba, associate dean of the Graduate School. Members include Robert E. Dunham, vice president for undergraduate studies; Theodore E. Kiffer, director, Liberal Arts General Education Program; Jerry B. Covert, associate professor of biology at Hazleton; Robert F. Schmalz, professor of geology; M. Lee Upcraft, director of residential life; G. Gregory Lozier, associate director, Planning and Research Group; Herberta M. Lundegren, professor of physical education and recreation; and Kim Hammond, student representative.

Dr. Oswald observed that when the initial planning for the conference began, there were "skeptics who believed that Penn State had already spent too much time in the past 10 years reassessing and revising the University's baccalaureate degree requirements. Others felt that we would have nothing new to add to the national general education debate which resurfaces every couple of decades. Yet I

was convinced that the academic foundations of the baccalaureate education are inherently worthy of periodic introspection and debate," Dr. Oswald continued, "and I believed that a great university must occasionally step back to explore its basic purposes. . . . I have been pleased to observe that this we have done over the past five months."

Recalling to his audience his remarks of last January, in which he used the reference words "breadth" and "depth" (a statement referred to the previous evening by keynote speaker Harlan Cleveland), Dr. Oswald said that the conference has addressed both these issues in its discussions.

"We have been broad in our discussion and treated many facets of general education — definition, requirements, curricular inter-relationships, faculty and student roles and perceptions, process, and change. At the same time, the conference has been organized through its several phases to deal with each of these facets in considerable depth and to focus on concerns of most importance and interest to us as individuals."

Dr. Oswald hailed the contributions of

(Continued on page 4)

McCammion and Schwartz win Lindback Awards

Dr. Mary McCammion, associate professor of mathematics at University Park, and Dr. Lila L. Schwartz, professor of educational psychology at Ogontz, will receive the 1982 Christian R. and Mary F. Lindback Awards for Distinguished Teaching.

President Oswald will present the awards, each of which includes a \$1,000 check and a plaque, at Spring Term commencement exercises on Saturday, May 29.

Teaching award recipients most often win

plaudits for their classroom demeanor, and Mary McCammion has had her share of enthusiastic student evaluations.

But this year's co-winner of the Christian R. and Mary F. Lindback Award for Distinguished Teaching also plays an important behind-the-scenes role in the lives of Penn State undergraduates.

"If I had to state one goal that I have for the rest of my time at Penn State," Dr. McCammion says, "it would be to get students into mathematics courses for which they are prepared."

An associate professor of mathematics, Dr. McCammion dates her concern about student placements back some 20 years to when she became director of undergraduate studies for the mathematics department.

"At first," she recalls, "I was primarily involved in keeping track of our majors, seeing that they didn't reach the last term of their senior year without having fulfilled all of their requirements. Then I started a file on the math courses taken by majors and realized we ought to be trying to steer unqualified students out of the program."

"This led me, in turn, to DUS and the

University's pre-registration testing and counseling programs, and I began to examine the scholastic backgrounds of some of the math students who weren't majors. For the last 10 years, I have been going over the math scores made by entering freshmen. If I find a student who seems completely unqualified — for example, someone taking calculus who has never had trigonometry — I notify the course instructor and try to get the student out. Most of this work, however, is done in the background using computers. I don't have much contact with students."

Students, surprisingly, are often reluctant to withdraw from a course for which they don't have the necessary prerequisites. Dr. McCammion has found. Recently, a woman who was taking college algebra pass-fail and not putting in too much effort, decided that she wanted to go on to calculus.

"I had a hard time trying to convince her that she would be wasting her time and ours," Dr. McCammion observes. "Mathematics, more than almost any other discipline, is built from a structure,

(Continued on page 3)



Dr. McCammion



Dr. Schwartz

Penn Staters

President John W. Oswald will receive an honorary Doctor of Science degree June 11 at the Commencement Exercises of the Jefferson Medical College and the College of Graduate Studies of Thomas Jefferson University.

Dr. Oswald, a plant pathologist, achieved international recognition as a scientist at the University of California where his research concerned the fundamentals of the serology of plant viruses and virus diseases. He discovered a previously unknown disease of cereals, the barley yellow dwarf.

This will be the second time this spring that President Oswald will be recognized for his educational leadership. He will receive an honorary degree on June 6 from Lehigh University, where he will also deliver the Commencement address.

Under the auspices of the American Participants Program of the U.S. International Communication Agency of the Department of State, Dr. Frederick E. Fisher is making a three-week tour of South America. Dr. Fisher is an associate professor of community development and associate to the associate dean for Continuing Education and Commonwealth Campuses in the College of Human Development.

Dr. Fisher will meet with businessmen, academics and government officials in Chile and Brazil, and, tentatively, in Argentina, depending on the status of the international crisis. He will present lectures on "Private Enterprise and Public Responsibilities," "Public Administration and Accountability," "Training Executives in the Public Sector" and "Administration of Public Finances."

Paintings by Richard Mayhew, associate professor of art, have been included in two recent shows in New York City galleries. One work was part of a figurative group show held last month to mark the golden anniversary of the Midtown Galleries. Mr. Mayhew is also exhibiting at The Equitable Gallery as part of its "Black Achievement in the Arts" show. In a foreword to the catalog for the latter show, Mr. Mayhew's painting is described as "essentially abstract, falling within the mainstream American tradition . . . relating in sure ways to landscape." Among the other well known black artists in the show are painter Romare Bearden and photographers Gordon Parks and James Van DerZee.

Dr. Wilbur Zelensky, professor of geography, has been awarded an Earhart Foundation research fellowship for the next year to assist him in the preparation of a book, *The Role of Cultural Symbols in the Origin and Maintenance of American Nationalism*.

Dr. Raymond G. Ayoub, professor of mathematics, in a series of four invited lectures at Allegheny College, discussed various topics in the theory of numbers. The lectures were part of a program instituted by Allegheny's Department of Mathematics to bring outstanding mathematicians to the college each year.

A one-man exhibition of sculpture by Kevin O'Toole, preparator at the Museum of Art, was on display at the Gross-McClellan Gallery in Philadelphia from March 26 through April 12. Mr. O'Toole, a 1978 M.F.A. graduate of the University, works with wood, cast bronze and cast resin materials.

Howard F. Kingsbury, associate professor of architectural engineering, was granted the 1982 Award of Merit by the international standards-writing organization, the American Society for Testing Materials (ASTM). Professor Kingsbury was cited for "distinguished service and dedication to the cause of voluntary standards in acoustics" and for his leadership role in ASTM Committee E-33 on Environmental Acoustics.

Dr. Eugene J. Kelley, dean of the College of Business Administration, was presented May 11 as the incoming president of the American Marketing Association (AMA) at the 65th Annual Marketing Conference of the AMA May 9-12 in New York City. Dean Kelley will assume the 1982-83 AMA presidency July 1. The organization has a membership of 40,000 marketing practitioners, educators and students.

Dean Kelley also presented a paper to conference participants and chaired a major session during the three-day proceedings. He spoke on "The Japan-U.S. Connection: Complements, Contracts and Convergence."

Dean Kelley's goals for the AMA for 1982-83 include beginning a period of close cooperation between the professional marketing associations of the United States and Japan.

Dr. William H. Neff, associate professor of biology, is the 1982 winner of the C.I. Noll Award for excellence in undergraduate teaching in the College of Science. The award is granted by the College of Science Student Council.

For the past 10 years, Dr. Neff, who is coordinator for Commonwealth Campus faculty in biology, has consistently received high evaluations in two large enrollment courses, Human Anatomy and Comparative Vertebrate Anatomy. Ninety-six percent of the students who took the former course in the last rating period put it in the superior/good category.

Dr. Neff earned all three of his degrees at Penn State. He joined the faculty in 1959 as an instructor in anatomy and physiology at the McKeesport Campus. In 1965, he moved to University Park.

The Noll Award is named in honor of Dr. C.I. Noll, professor emeritus of chemistry and dean emeritus of the College of Science.

Dr. Stephen J. Beckerman, assistant professor of anthropology, was awarded an NSF grant to attend the Fourth International Congress of Archaeozoology, held in London during April. Dr. Beckerman presented a paper entitled, "A Quantitative Assessment of the Dietary Contribution of Fish and Game to the Subsistence of Amazonian Tribal Peoples."

John B. Frantz, associate professor of American history, presented lectures at Millersville State College on "Religion in Pennsylvania: Unity in Diversity," and at West Chester State College on "Religion in Colonial Pennsylvania: Model for a Nation." Both lectures were part of the sponsoring institutions' observance of the 300th anniversary of the founding of Pennsylvania.

Bookshelf

Dr. Judith Van Herik, assistant professor of religious studies, is the author of *Freud on Femininity and Faith*, a 232-page book published by the University of California Press.

Dr. Van Herik offers a new interpretation of Freud's writings that examines the centrality of his theory of gender to his thought. It discovers links between his negative evaluation of femininity, his critical thought as a whole, and his criticism of religious belief.

The book shows how gender measures value in Freud's thinking, specifically in two of his books on religion - *The Future of an Illusion* and *Moses and Monotheism*. Dr. Van Herik delineates relationships within Freud's theories that previously have gone unremarked. Her approach ties together his presupposition of the primacy of fathers, his claims about the dangers of wish-fulfilling illusions, his accounts of the asymmetrical development of masculinity and femininity and his psychology of religion.

The work will be of interest to students of Freud, religion, the psychology of religion and feminist social theory.

Dr. Eugene Borza, professor of ancient history, is co-editor of two recently published special studies of ancient Macedonia.

Macedonia and Greece in Late Classical and Early Hellenistic Times, co-edited with Dr. Beryl Barr-Sharra of New York, was published by the National Gallery of Art as part of its continuing series, *Studies in the History of Art*.

The second volume, *Philip II, Alexander the Great and the Macedonian Heritage*, is an outgrowth of an Alexander the Great symposium held at the Art Institute of Chicago. It has been published by University Press of America.

Dr. Borza prepared papers for both volumes.

Dr. Peter Gould, professor of geography, together with a Swedish colleague, Professor Gunnar Olsson of NORDFLAN, Stockholm, has written and edited a new book, *A Search for Common Ground*, published in April 1982 by Pion Limited of London, England.

The book examines newly emerging perspectives in geography, with many of the viewpoints informed by trends in contemporary philosophy. Geographers from nine nations contributed to the volume; many of them were participants in a conference arranged by Professor Gould at Bellagio, Italy, in the summer of 1980.

Retirement



Chester P. McMin, Clinton County Extension director, retired April 20 with 36 years of service.

After nine years in Clarion and Venango counties, Mr. McMin, a 1939 Penn State graduate, was assigned to Clinton County and assisted growers there in converting from tobacco to vegetable production.

He has also worked with farmers to increase milk production, promoted enrollment in the State Alfalfa Growing Program and provided information on soybean production and estate planning.

He received a Distinguished Service Award from the National Agricultural Agents in 1966.

Carpooler

Paul Rodland of Warriors Mark seeks to share driving or to ride on an 8 a.m. to 4:30 p.m. schedule at East Halls. Home phone is 632-3437.

Obituaries

George L. Lockard, a carpenter with the Office of Physical Plant from 1939 to 1965, died May 4 at the age of 63.

Warren N. Underwood, a professor of civil engineering at his retirement in 1965, died May 3. He was 81. He joined the faculty in 1955.

Students to receive Hetzel and Walker awards this month

Stephen L. Salyards of Rochester, N.Y., Joel C. Wilkinson of Cresco and Melanie A. Miller of Allentown are the 1982 recipients of the University's two most prestigious annual student awards.

Mr. Salyards and Mr. Wilkinson will receive the Ralph Dorn Hetzel Memorial Award recognizing outstanding seniors who have demonstrated responsible leadership and potential for future public service.

Established in honor of the late president of Penn State, the Hetzel Award cites outstanding academic achievement and leadership in University or other public activities.

Ms. Miller will receive the Eric A. Walker Award, established by the President Emeritus of the University, to honor a graduating senior whose activities and achievements have enhanced the reputation of the University.

Mr. Salyards, a geosciences student, maintained a 3.91 GPA. As a member and later a vice president of Alpha Phi Omega national service fraternity, he served as scoutmaster of a fraternity-sponsored Boy Scout troop of mentally retarded boys and chaired the annual First Aid Meet, a first aid skills competition sponsored by the fraternity for local Boy Scout troops.

Mr. Wilkinson, a recreation and parks major, has a 3.98 GPA. He served as president of the Health, Physical Education and Recreation Student Council, special student services division coordinator of the University's Parks and Recreation Society, vice president of the Lakonians honor society and membership chairman of the Mortar Board senior honor society.

He also served as assistant scoutmaster of a State College Boy Scout troop and counselor and instructor at the University's Shaver's Creek Environmental Center. He led outdoor activities for community groups and learning-disabled secondary school students.

Ms. Miller, a nuclear engineering student, has been president of the Penn State student chapter of the Society of Women Engineers for the past two years. Under her leadership, the chapter grew from 90 to 440 members and hosted a regional conference at which it was recognized as one of the top four student chapters in the nation.

Ms. Miller was elected regional representative to the Society's 1982 national conference. While president, she initiated recruitment and orientation programs for high school students on engineering at Penn State.

Material due for Summer Term calendar

Individuals and organizations wishing information about Summer Term activities to appear in the INTERCOM calendar should forward this information at once to Calendar Editor, Room 312 Old Main, 865-7517.

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Louise D. Warkit, Editor
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Calendar Editor - 865-2501

Lindback awards

(Continued from page 1)

and the student must follow a certain progression."

Teaching mathematics presents special problems, Dr. McCammon believes.

When a mathematician puts an equation on the board, he or she sees a certain beauty and logic. But to the students seeing that equation for the first time, the logic may not be so obvious; indeed, to them it may be little more than a mass of jumbled symbols.

"Basically, mathematical ideas are very hard," Dr. McCammon says, "and since they often have no practical application, students can't see how they're used."

Another complicating factor is described by the fashionable term, "math anxiety."

"Students who can't understand the math they're taught in school are often stigmatized as 'stupid,'" Dr. McCammon continues. "Sometimes they're just been badly taught, but in any case they develop a hang-up about their ability to learn the subject. We see a number of these students at Penn State."

A partial solution to student math problems, in Dr. McCammon's view, would be the establishment of a mathematics learning center.

"I feel very strongly that the mathematics department needs an assigned space where students know they can go for help," she says. "I used to believe that students and their parents paid some attention to the profiles that are developed from Penn State's pre-registration tests, but, unfortunately, in many cases, they don't. The math department must assume this responsibility."

"Last term, I used the computer to find the algebra scores of all the entering students in Math S. I had to send out 75 letters telling students they were not ready for the course. I want to be able to do this for all freshmen and sophomores. When we make the switch to the semester system with 14-week courses, this kind of screening will become even more important."

Another function of a learning center

would be to provide students with assistance for minor mathematical comprehension problems.

"At present, individual faculty members and graduate students help informally," Dr. McCammon explains, "but students would be more apt to seek assistance if they knew there was a specific place to which they could come and that it was open and staffed at stated hours."

Colleagues point out that Dr. McCammon's screening programs are conducted on a purely voluntary basis — over and beyond her regularly assigned teaching duties. She also coordinates the beginning algebra and trig courses which are taught by teaching assistants and part-time instructors.

Dr. McCammon, who was born in England, graduated from the University of London, doing her undergraduate work at Royal Holloway College and her doctoral research at Imperial College of Science and Technology.

After graduation, she recalls, most of the students used to go abroad, so she decided to join them, travelling to MIT in Cambridge to do research. She was working there in 1954 when a member of Penn State's math faculty passed through and interviewed her.

"I remember that Orrin Frink, who was then head of the department, wrapped the appointment up in a three-line letter," she says.

Commenting on her Lindback prize, Dr. McCammon concludes:

"I've never felt that I was an easy teacher. I do think I am reasonable and that I can communicate with students, but I've never tried to be popular. I'm really pleased by the award because it makes me feel that students must appreciate this kind of approach."

When Lita L. Schwartz isn't actually teaching about teaching at an Ogontz classroom, she can often be found pondering or writing about pedagogical theories and techniques.

A professor of educational psychology, Dr. Schwartz is the author of several textbooks, among them *American Education: A Problem-centered Approach*; *Educational Psychology: Focus on the Learner*; and *The Exceptional Child: A Primer*. The last was recently expanded

and will appear next winter under the title, *The Exceptional Student*.

Dr. Schwartz is also co-editor of a book of readings on life-span development and has written a number of articles for professional journals, many of them dealing with creativity and innovative approaches to teaching.

Colleagues and students alike testify to her ability to translate her theories into practice. As a result of her efforts, students in Ed Psych 14 take a required field work practicum which allows them to serve as teacher aides in local schools one morning a week.

"I try to make my courses very practical," Dr. Schwartz explains, "even when I am dealing with theories, and I take my students on field trips to expose them to differing school practices in the Philadelphia area."

"This year, for example, in Special Ed 105, I was able to take advantage of a program the Ogontz Campus is conducting for the Montgomery County Intermediate Unit, providing enrichment classes for pre-adolescent youngsters who are specially gifted."

"I asked my students to act as big brothers and sisters to the children when they were brought onto campus for the program, and at first I don't know who was more terrified about interacting — our students or the little ones. But after the first couple of weeks, the shyness on both sides disappeared, and now the children come straight off the bus and head for 'their' Ogontz students with big grins."

Dr. Schwartz believes that her students should have an opportunity to see both the positive and the negative in a teaching situation.

"If they have a placement which is less than ideal," she explains, "they can learn what they don't want to do as well as what does work."

When she teaches Cultural Foundations of Education, Dr. Schwartz has class members attend local school board meetings and report on them as well as on other local and national educational news. These assignments follow logically from her approach to the course, which she reoriented from a straight historical presentation to a problem-centered mode.

One of Dr. Schwartz's newer ventures is History 15B, the History of Immigration,

which she teaches with Natalie K. Isser, associate professor of history at Ogontz. The course developed out of research the two faculty members had done on the effect of school and elementary textbooks on children whose parents came to the United States during the great immigration period of the 1920s.

A Vasar graduate, Dr. Schwartz took her M.Ed. at Temple University and her Ph.D. at Bryn Mawr. She first visited Penn State on a date from Vasar and subsequently married her escort, Melvin Schwartz, class of '49.

"Then when I was in graduate school at Bryn Mawr," she recalls, "I was looking around for some part-time teaching, and a vacancy occurred on the Ogontz faculty because someone had been injured. My first job was as a kind of 'circuit rider,' teaching psychology to nurses at Philadelphia area hospitals. I became a full-time faculty member in 1966."

Currently chairman of the Ogontz Faculty Senate, Dr. Schwartz has been active in professional organizations and is currently a member of the editorial boards of *Journal of Creative Behavior* and *Improving College and University Teaching*. She also serves as a reviewer for *Gifted Child Quarterly* and was an associate editor of a special issue on cults, published by *Marriage & Family Review*. She has integrated her findings on religious cults into her Psychology 2 classes.

Of her approach to students, Dr. Schwartz says:

"These are the young people who 20 to 30 years hence as mature adults will rule our society. It is very important to give them as many competencies and strengths as we can. For my part, I am particularly concerned about the prospective teachers who will educate the next generation of students, and I feel an obligation to see that they are as well prepared as possible."

"It's so important to understand the backgrounds of our students, because that are our future. We must constantly try to do as much as we can with them and for them."

"I do like the fact that I'm teaching at a small campus, where I can get to know my students well and where they feel comfortable about coming to see me with their problems."

Two Penn Staters to ride shuttle

Two astronauts who are Penn State graduates are scheduled to ride on space shuttle missions in 1983.

They are Air Force Lt. Col. Gulon S. Bluford, Jr., who received his bachelor's degree in aerospace engineering in 1964, and Paul J. Weitz, who earned his bachelor's degree in aeronautical engineering in 1954.

Dr. Bluford, 39, will become America's first black astronaut when he participates in a three-day flight in July of next year. A former resident of Philadelphia, he was enrolled in the Air Force R.O.T.C. program at Penn State and earned his commission as a second lieutenant in 1964. The following year, he won his pilot wings and was assigned to Vietnam, where he flew 14 combat missions.

He earned a master's degree with distinction and his doctorate, both in aerospace engineering, from the Air Force Institute of Technology in 1974 and 1978, respectively.

Before being named as an astronaut candidate by NASA in 1978, Col. Bluford was assigned to the Air Force Flight Dynamics Laboratory at Wright-Patterson Air Force Base, Ohio, as a staff development engineer. He has written and presented several scientific papers in the area of computational fluid dynamics.

He holds numerous military distinctions.

Paul J. Weitz, pilot on the first manned Skylab II mission in 1973, is a native of Erie. He is scheduled to be commander of the first flight of the shuttle orbiter

Challenger in January, 1983.

Mr. Weitz, 49, received a Navy commission as an ensign through Penn State's Naval R.O.T.C. program. He earned a master's degree in aeronautical engineering from the U.S. Navy Postgraduate School in 1964.

He has been awarded the NASA Distinguished Service Medal, the Navy Distinguished Service Medal, Astronaut Wings, Air Medal (five awards), and the Commendation Medal for combat flights in Vietnam.

He also is the recipient of the Los Angeles Chamber of Commerce Kitty Hawk Award, the Robert J. Collier Trophy for 1973, the AIAA Haley Astronautics Award for 1974, the Federation Aeronautique Internationale's V.M. Komarov Diploma for 1973, the Dr. Robert H. Goddard Memorial Trophy for 1975 and the Harmon International Aviation Trophy for Astronauts in 1974.

Mr. Weitz was named a Penn State Alumni Fellow in 1973 and a Distinguished Alumnus of the University in 1974.

The Skylab II mission team of Mr. Weitz, Charles Conrad Jr. and Joseph P. Kerwin logged 672 hours and 49 minutes aboard the space workshop, setting what was then a world record for a single space mission. Mr. Weitz also logged two hours and 11 minutes in extravehicular activities.

Mr. Weitz retired as a captain from the U.S. Navy in 1976 but remains with NASA as a civilian astronaut.



Celebrating their 25th year with Penn State are: Above, left, Stephen B. Spencer, professor of dairy science Extension; right, Paul M. Reber, associate Extension agent, Montgomery County. Below, left, Lewis S. Joden, experimental and research mechanic A, Agricultural Engineering; right, Joan Kofstinger, accounting clerk, Liberal Arts.

A report from the Conference on General Education

(Continued from page 1)

the delegates and conference leadership said:

"At the opening of this conference, I stated that 'we do not want to confound this conference with a plan for general education at Penn State.' Conference organizers emphasized that specific curricular reform was not intended by design. We also noted that directions may emerge from the conference that might suggest changes in the structure, content, or delivery of, or the faculty reward structure for, general education at Penn State."

Noting that this was not a legislative conference, Dr. Oswald applauded the freedom of exchange which had taken place: "There have been points of unanimity in agreeing that general education of some type is important," he pointed out. "But of course there has not been total agreement; there are differing forms of basic education for various majors, for core courses, for interdisciplinary presentations. But overall we have been sensitized to the issues, we have verbalized the issues (I am sure!); we have come to focus on the issues, sharpening our understanding of differences and agreements."

The conference, the President concluded, had far exceeded his fondest hopes, and "I, for one, feel even more strongly about our commitment to general education and to its continuing importance at Penn State in the quality years to come."

Harlan Cleveland

Identifying himself as "a card-carrying generalist," Harlan Cleveland urged the delegates to the General Education Conference to be "passionately curious" about the interconnections between fields of knowledge.

But while pointing out that breadth is the indispensable quality of leadership, he noted that "the leader as manager is very likely to be unsuccessful unless he has once been an expert himself."

"The leadership is us."

"I do not wish to imply that specialization and disciplinary expertise are less worthy than integrated thought or that expertise is passe," continued Dr. Cleveland, who is director of the Hubert H. Humphrey Institute of Public Affairs at the University of Minnesota.

Prior to that, he enjoyed a distinguished career in international affairs in the Department of State and as U.S. ambassador to NATO. He was also dean of the Maxwell Graduate School of Citizenship and Public Affairs at Syracuse University and president of the University of Hawaii.

"A world of coordinators would be as much of a mess as a world of experts," Dr. Cleveland observed. "Obviously what we need is to stir them together in a stew of social theory and action, which means that these actors on the stage of society have to learn to live with each other in a symbiosis of mutual respect and mutual dependency. But in that mutual relationship, the leading edge, the front line of attack on the world's problems must belong to the integrators, those whose function it is to say where to go and when and why."

Because integrative thinking is hard and unfamiliar work, many people would prefer to leave it to those with a taste for leadership. This, however, is no longer possible, Dr. Cleveland said, because "the leadership is us."

"In the world of our classical ancestors, in China, Greece, Persia and Rome, and in the world of our founding fathers,

general education, the liberal arts, was leadership education. It still is. The difference is that the leadership used to be the few and now it is us, the many."

Dr. Cleveland described the vertical society which once prevailed — featuring recommendations up and orders down. He continued:

"Modernization made the vertical society obsolete. Man as manager had to learn to manage the complexity that man as scientist, engineer and educator were making psychologically possible. The traditional modes of leadership simply didn't work very well. Nobody could be fully in charge of anything; it was all too complex, and so the horizontal society was born."

"Modernization made the vertical society obsolete."

The division of labor became the key to managing complexity and thus the training of specialists was essential. The result has posed a dilemma for society.

"When leadership is the province of an aristocracy of achievement measured literally in millions, the participants in decision-making comprise no longer a club but a crowd." "How," Dr. Cleveland asked, "do you get everyone in on the act and still get some action?"

Today, major shifts in societal direction, Dr. Cleveland said, "are formed in inchoate consensus by the people at large."

Using such examples as the decisions to end the war in Vietnam, to fire a president, to equalize opportunity for women or to consider a freeze in the deployment of nuclear weapons, Dr. Cleveland pointed out "that the people always seem to get there first."

"The people always seem to get there first."

There have been only a very few exceptions to this mass decision-making in recent times, according to Dr. Cleveland, among them the personal leadership exhibited by such men as Sadat, Churchill, Tito and Roosevelt.

"If nobody is in charge, then all of us are partly in charge," Dr. Cleveland said. "This means that in some degree, we have to try to understand all of it, to relate our part to the whole, to integrate the knowledge we accumulate, to get past the facts to help fashion the theories."

Making sense of the facts is particularly complicated in this era because the world is entering what Dr. Cleveland called "the great theory crisis of the 1980s." Meaningful distinctions are breaking down, he explained, the distinctions between the public and private sectors, the distinctions between domestic and international spheres.

With Proposition 13 and Proposition 2½, the people have said that they don't want the government to get any bigger at the same time they are asking for somebody to do the jobs that used to be done by government — create full employment, control inflation, contain new technologies.

Society is groping for a usable economic theory to replace Keynesian economics; it has created nuclear weaponry too fearsome to be used; it faces an extraordinary gap in the theory of thinking about the nature of "the most important resource in our economy, which is information."

"These days, if something needs fixing, it is always our turn," Dr. Cleveland commented.

"But there are really people willing to take on the personal responsibility for whatever goes wrong? It means doing the

integrated thinking, getting it all together, getting everyone in on the act and still getting some action."

Dr. Cleveland concluded by naming four individuals who, in his view, illustrated the upbeat, can-do spirit of generalist leadership. They were Jean Monnet, Paul Hoffman, Barbara Ward and Hubert Humphrey.

"Each in their time asked not only the value question, why, but the action question, why not," Dr. Cleveland said. "They learned enough about all subjects to use their expertise without being mesmerized by the experts. They acted as if everything were interrelated to everything else."

Jerry Gaff

Even though the difficulties in changing a curriculum have been acknowledged to be worse than those involved in moving a cemetery, Penn State has four essential ingredients for success in place, Jerry Gaff told delegates attending the opening session of the Conference on General Education last Friday.

These ingredients are strong administrative support, solid faculty leadership with widespread involvement, student participation and carefully orchestrated procedures to coalesce conflicting points of view.

Dr. Gaff is director of the Center for General Education of the American Association of Colleges.

Noting that the subject of general education is enjoying national prominence at this time, Dr. Gaff defined the imperatives which point to structures for renewing the curriculum.

They include:

- Stressing anew the liberal arts and sciences, not because they are the body of knowledge that every educated person must have, or because a need exists to find ways to utilize under-occupied liberal arts faculty, but because at their best the liberal arts represent the kind of knowledge students must have to surmount the unknown problems the future holds.

- Developing distinctiveness. While every college claims to be unique, this is seldom reflected in the curriculum.

- Teaching skills. Dr. Gaff noted the erosion of standards as indicated by the fact that military training manuals must continually be simplified to help recruits understand them. Nor is teaching basic skills enough, Dr. Gaff contended.

"Each of them has a high need and a low demand. They have no natural constituency."

Students must have computer literacy, gain some understanding of statistics and learn to think critically.

- Providing genuine breadth. A fragmented curriculum can only lead to atomized knowledge, Dr. Gaff said, suggesting that courses be certified and screened by college-wide committees.

- Making the integration of knowledge the responsibility of the faculty rather than expecting students to integrate anything the faculty can't or won't.

- Developing global perspectives. A strong international dimension must be implanted into the core of general education, Dr. Gaff said.

- Using the power of the non-classroom. Referring to the educational impact of the "hidden" curriculum, Dr. Gaff suggested that universities require varied kinds of learning experiences. All students should be expected to take independent study and to have a component of experiential work, along with a residential or quasi-residential experience.

- Developing a shared philosophy of education. Faculty should reaffirm the principle of educating specialists with a broad general background and assume "corporate responsibility" for higher academic standards.

Dr. Gaff acknowledged the difficulties involved in accomplishing these imperatives:

- "Each of them has a high need and a low demand," he pointed out, "and they have no natural constituency."

- "Who speaks for general education?" he continued. "I hope each of you will respond 'I do' and counsel your colleagues to do likewise. Unless you are all firmly behind curricular reforms, this conference cannot achieve its full potential."

Dr. Gaff concluded by urging his audience to establish expectations and standards for all students, maintaining a proper balance between competing educational priorities such as graduate and undergraduate education and teaching and research."

Edward D. Eddy

Two clear, though formidable, tasks confront Penn State in respect to general education, Provost Eddy told delegates meeting on Saturday morning.

"We must first determine whether or not general education truly is as central to the goals of the University as is specialization," Dr. Eddy said.

And second, the University "must recognize the nature of our influence on public school curricula and ask ourselves if we are satisfied with that influence."

"We must recognize the nature of our influence on public school curricula and ask ourselves if we are satisfied with that influence."

Turning to the issue of specialization, Dr. Eddy pointed out that America is a country obsessed with science and technology.

"Technology is necessarily reductionist," he said. "It reduces all objects and processes to their smallest components to serve the interests of precision, efficiency, speed. The intellectual extensions of such thinking are obvious..."

Connections between and within disciplines have eroded to the point, Dr. Eddy observed, where "we are literally in danger of forgetting how to communicate with each other..."

"We can fly in supersonic luxury to places where other cultures flourish — and yet understand little about those cultures."

"Our nation has the awesome capacity of destroying the world with the push of a button — and yet we know little about the resolution of human conflict or the prevention of little wars."

Penn State has the obligation to contribute to the alleviation of these problems, Dr. Eddy told the delegates. As the capstone of the Commonwealth's educational system, "It has the power of persuasion and requirement."

"It also has a special obligation and a special opportunity to provide leadership in the re-vision of general education and not just on our own campuses but up and down and throughout the state."

But the reintegration of the curriculum is hindered by the nature of academic preparation itself, Dr. Eddy maintained, because "specialization is expected and rewarded."

He offered, as one example, "the message we send the engineering student. 'You may study French, but you will be

(Continued on next page)

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rewarded for your performance in physics."

"I am not suggesting that excellence in physics is not absolutely essential to the engineer," he said, "but is excellence in, say, history, or a foreign language, plus an understanding of the connections among the disciplines, any less essential to the human being and the citizen who resides within the engineer? And in a real way, might not the performance of the engineer as engineer be improved by a deeper understanding of the human dimensions which affect our technology?"

Asserting that universities reinforce fragmentation by rewarding individuals, in part, on the basis of the narrowness of their scholarship, Dr. Eddy called for "the encouragement and reward of activities enhancing general education at its scholarly best, at least to the degree that we currently reward specialization at its scholarly best."

In discussing the role Penn State can play in enhancing general education in the Commonwealth, the Provost cited the education it provides public school teachers and the graduate training it offers to administrators. "Our curriculum, in influencing these individuals, influences, in turn, the public school curricula they create," Dr. Eddy said.

"We are literally in danger of forgetting how to communicate with each other."

"Their educational values are formed in our classrooms. Thus, our current students already have been influenced heavily by Penn State long before they arrive here. And their educational deficiencies and achievements are, we have to admit, our deficiencies and achievements once remedied," Penn State influences public school curricula even more directly through the requirements it establishes for admission. Dr. Eddy suggested that high schools might do a better job teaching mathematics and foreign languages if their students had to master these areas to gain entrance to Penn State.

"When we exercise a positive influence on the public schools, we perform two services," Dr. Eddy remarked.

"First, we enhance the quality of education for all citizens of the Commonwealth . . . and this, surely, is a land-grant obligation.

"Second, to the degree we assist the public schools to develop in their college-bound students the knowledge and the intellectual habits on which we can build at the university level, we enhance the education of our own graduates. And we do what we should have been doing as a university all along."

Theodore L. Gross

Enhancing the practice of common learning will not be accomplished by changing degree requirements; it will be brought about through fuller participation by the entire faculty in general education.

The University will also need to match its reward structure to its beliefs, continued Dr. Theodore Gross, provost and dean of Capitol Campus. Dr. Gross spoke to the delegates at the final session of the conference.

Summing up some of the specific conference recommendations, Dr. Gross noted:

— The College of Agriculture has developed a list of goals and objectives essential for its majors, including technical knowledge, communication skills,

personal values, problem solving abilities and leadership traits.

— The College of Science has sought to define the scientific principles essential for an informed citizenry and to view the role of science in a society marked by uncertainty and change.

— Students and the staff of Student Affairs have designed specific programs and activities to create an environment supportive of general education in the classroom.

"If . . . the faculty find no way of rewarding a superior teacher of general education, then the common learning that integrates and binds all our disciplines will be neglected or assumed."

— The College of Health, Physical Education and Recreation has suggested a place for the study of physical fitness, health, disease and exercise within the academic context of general education.

— The College of Engineering has stressed the need for a greater knowledge of foreign languages and cultures and is considering a basic course to determine where engineering and design fit into the general scheme of life and societies.

— Senior faculty should be encouraged to participate in general education to give the entire enterprise the highest status.

— Departmental course credit should be removed from the teaching of general education to avoid any parochial allegiance to a discipline.

— A pamphlet should be produced defining the skills and content of general education expected of students entering Penn State, as well as what should be expected of graduates.

— Ways should be explored to measure the effects of a Penn State education — specifically its general education component — on a graduate's later life.

Once these and other recommendations are implemented and take root, Dr. Gross said, "they will condition the climate of our opinion, the value system of Penn State, and in turn, its reward system. The value system of a university is reflected in its reward system, is it not? If all that really matters for promotion and tenure is published work in a discipline and the faculty find no way of rewarding a superior teacher of general education, then the common learning that integrates and binds all our disciplines will be neglected or assumed. Only junior faculty will teach general education, and its low status in the hierarchy of values will be communicated to the students.

"But if we find a way to acknowledge a superior teacher, young or old, who perhaps publishes infrequently; if we agree that the publication of an article on general education will enhance a candidate's academic record; if we reward curricular reform when it is genuinely creative — if good work in the service of general education is honored, then all of us, and especially the students we serve, will be the beneficiaries. After all, it is we who create the hierarchy of values at Penn State; it is we who set the terms of the education we offer."

Stating his belief that renewed concern for general education will return faculty members to essentials, Dr. Gross continued:

"In valuing the teaching of general education, we value a central dimension of our decision to be, first and last, teachers. We value ourselves. We return to our roots."

Senate

(Continued from page 1)

reports, first passing a proposal to move the time of its meetings from 2:10 p.m. to 1:10 p.m. for the greater convenience of senators attending from Campuses outside University Park.

Also passed was a change in the Bylaws to provide a mechanism for filling a vacancy in the office of the Senate chairman-elect. Under the new measure, Senate Council, within 30 days of the vacancy occurring, will present the names of two nominees to the Senate, and a special election will be conducted.

Three recommendations were presented by the Special Committee on Grade Adjudication, and senators quickly agreed on the first two.

Recommendation 1 deals with the correction of grades because of arithmetic or transcription errors, and, for clarification, the Special Committee recommended the substitution of the word "calculate" for "determine." Also accepted was the sentence: "No grade change can be made more than one year after the end of the term (semester) in which the course was taken."

The second recommendation, as passed, states: "The faculty of each college and campus shall establish a college/campus-wide committee of students and faculty for discussion and possible resolution when a student and a faculty member are involved in a disagreement over grades which has not been resolved by other means."

Finally the Special Committee proposed that in the rare cases where the faculty of the department/division offering a course determine that a grade has not been assigned in conformity with Policy 47-20, the Administrative Council on Undergraduate Instruction, in consultation with the Senate's Academic and Athletic Standards Committee, develop a policy reflecting the following principles:

"A. The group that initially determines that a grade has not been assigned in conformity with Policy 47-20 shall be the faculty (or their designated sub-set) of the department/division offering the course.

"B. The decision of the faculty of the department/division must have the concurrence of the department/division head and the dean of the college.

"C. The changed grade shall be recorded by the University Registrar solely on the instructions of the Committee on Academic and Athletic Standards after they have reviewed and agreed with the grade change decision of the department/division faculty and the concurrences of the department/division head and the dean of the college."

Policy 47-20 states: "Grades shall be assigned to individual students solely on the basis of the instructor's judgment as to a student's scholastic achievement as set forth in Policy 47-60 [Definition of Grades]."

Dr. Schmalz objected strongly to the legislation, basing his concern on the rights of the faculty.

"I would hate to see my grade challenged because I took into consideration blots of ink on a map or graded a student in geology on the English he used in a theme," Dr. Schmalz said, adding:

"Yet we propose that a student need only challenge my grade to have a committee appointed and have me accused or convicted *de facto*. We must have the right to defend our judgment against the challenge by any student."

Irwin Feller, professor of economics, pointed out that while the climate of academic freedom is now tranquil, "it is not inconceivable that at some future time ideological splits could emerge in a department, and the appeal rights of students could be used to impose harm on a colleague. The legislation opens the potential for factionalism and ways to impinge on a faculty member's freedom in the classroom," Dr. Feller concluded.

Taking another view, Robert Jennings Heinsch, professor of mechanical engineering, endorsed the recommendation, saying that it permitted only department colleagues to initiate actions, and that accountability to colleagues upholds the standards of the profession.

J. Paul McRoberts, assistant professor of English at Beaver, reported a case where a student had undeservedly received a "C" grade from a part-time instructor and had had no recourse. Ogontz Campus Director Robert A. Bernoff stated his view that a lot was being read into the legislation that simply wasn't there.

The legislation, which was presented by former Senate Chairman George Franz, was passed.

The slate of nominees for Senate officers and committees was presented, and one nomination, that of Peter Bennett for chairman-elect, was added from the floor.

The Senate also considered at length a report from the Committee on Faculty Affairs regarding sabbatical leave policy. The report was informational, but there was some discussion as to whether the Senate should "recommend it strongly" or merely accept it.

The report suggests that more sabbatical leaves be awarded, encompassing a wider variety of scholarly activities; that sabbaticals not be contingent on residence requirements; that travel funds be made available to defray a part of the cost of a sabbatical; that, in the interest of faster turn-arounds, academic deans and campus directors be empowered to make the decisions on leaves; and that special leaves be available for untenured faculty.

Dr. Arthur Lewis, associate dean in the College of the Liberal Arts, eventually put an end to the discussion, calling the report a "wish book" and saying that several of its provisions would leave the University open to legal action.

The Senate then voted simply to accept the report.

800 outstanding students to visit as PSU Scholars

The Penn State Scholars Program will host some 800 high school students for a visit to the University Park Campus this summer.

The students have been nominated for the program by their high school principals and guidance counselors in recognition of their achievements as the top academic students in the junior class of their respective schools.

They will visit University Park for one of two sessions. The first is June 28 and 29; the second is June 30 and July 1.

The Scholars Program was initiated in 1978 to recognize and encourage academic scholarship. It provides an opportunity for top students in and near Pennsylvania to meet with Penn State faculty members and students and to become acquainted with the campus and the academic programs that are offered.

Accompanied by their parents, the students also receive information about financial aid and career resource programs, and they have an opportunity to get a taste of student life.

During their visit, the students may choose to compete for more than 30 Penn State four-year scholarships. Last year, about 100 students were offered full or partial tuition scholarships. Each year, approximately one-third of the 800 participants in the Penn State Scholars Program subsequently enroll at the University.

Women athletes neglected by Scots, visitor says

Athletics for women in Scotland may never be the same after Nanette Mutrie completes her doctorate in physical education at Penn State.

Ms. Mutrie is the first woman from the United Kingdom awarded a Fulbright Scholarship to study physical education in the United States. She's currently on a two-year educational leave from Glasgow University, where she's a lecturer (associate professor) in physical education.

"There are two things I hope to do upon my return," she says. "One is to promote exercise and sport as viable pursuits for women.

"In the U.S., there's much more encouragement at all levels for women to do something. In Scotland, there's a lot more hesitation. There simply aren't enough athletic programs for women. Scottish society is heavily oriented toward male involvement.

"I'd also like to see much more attention paid to the elite female athlete," Ms. Mutrie says. "In Scotland, most of the funding for sports goes to men. I want to share the expertise I gain at Penn State with female athletes, in terms of counseling and dealing with competitive anxiety, as well as organizing training programs. In fact, I'd like to see the establishment of a research center for women in sport."

The faculty and resources in the College of Health, Physical Education and Recreation will prepare her to do exactly that, she says.

"I'm not here by accident," she notes. "Penn State has an excellent reputation in the United Kingdom for physical education. In fact, a recent article in the *British Journal of Physical Education* rated Penn State as the top university in the U.S. for graduate study in physical education.

"My adviser, Dr. Dorothy Harris (professor of physical education and director of Penn State's Center for Women in Sport), is well-known the world over for her work in women's sports."

Ms. Mutrie received her bachelor's degree in physical education in Edinburgh in 1973. After teaching in high school and elementary schools for several years, she joined the faculty at Glasgow University. She received her master's in education from Glasgow last year, and also holds an advanced diploma in education.

But her desire to do more advanced work in physical education was hampered by the absence of a structured graduate program in her homeland.

"You can get a Ph.D. in physical education in Scotland, but it consists primarily of doing research and writing a dissertation," Ms. Mutrie says. "There is

no coursework, so it's rather difficult to get the tools needed to do the research."

Realizing she had to study in America, Ms. Mutrie applied to the United Kingdom-United States Educational Commission for a Fulbright Scholarship. Starting the application procedure in November 1980, she and 59 other United Kingdom scholars made the first cut. After further interviews, she and nine others from a variety of disciplines were awarded their Fulbrights last summer.

At Penn State, Ms. Mutrie is concentrating on the psychology of sport — particularly as it applies to women. "I'm trying to get a broad background in a number of areas as well, not only psychology," she says. "I would like a solid knowledge base in all aspects of physical education."

She'll also be teaching physical education classes during her stay, a role to which she brings a degree of proficiency. In 1980-81, Ms. Mutrie was ranked as the number five female squash player in Scotland. In addition, she has played in four international squash matches with the Scottish national women's team.

For the past four seasons, she has coached both Glasgow University's women's volleyball team as well as the Scottish intercollegiate women's all-star volleyball team.

Student leaders from 13 states to discuss higher education

Student leaders from 125 east coast colleges and universities in 13 states will gather at the University this month to get a national perspective on the future of higher education.

The first annual Atlantic Regional Conference is scheduled for May 14-16. It will ask such questions as: Can higher education legitimately be separated from national defense? Are west coast firms draining the technology of the east? Can states meet the demands of education under New Federalism?

"We want to establish the intellectual basis for change and action," says coordinator Marybeth Hunter, a senior political science major at Penn State. "Instead of addressing specific issues, we'll deal with the broad philosophical questions that determine those issues."

Nationally-known authorities in education, economics, government and other fields will serve on various panels.

NBC News economic correspondent Irving R. Levine, United States Student Association president Janice Fine, and Americans for Common Sense head George Cunningham will be among the panelists who will discuss "Exploding the Ivory Tower Myth of Higher Education."

They will consider such questions as: Is higher education cost-effective for national and state economies?

Robert Clodius, president of the National Association of State Universities and Land Grant Colleges, and Robert Klitgaard, special assistant to the president of Harvard University, will join other panelists to discuss "The East-West Brain Drain."

The session will look at the flow of eastern college graduates to western firms, and the future of the liberal arts in high-technology times.

Thomas P. Melady, assistant secretary for post-secondary education with the Department of Education, and former National Education Association president Dr. Helen Wise will take part in a panel on "Education Under the Trend of New Federalism."

They'll consider the state's commitment to higher education and the roles of the federal government and corporate structure under the New Federalism.

Dr. Schraer to give Phi Beta Kappa talk

Dr. Rosemary Schraer, associate provost and professor of biochemistry, will deliver the Phi Beta Kappa address at the annual initiation and banquet, to be held Saturday, May 15, at 6:30 p.m. at the Sheraton Penn State. The title of her address is "Look Well to This Day."

Each year, Lambda Chapter of Penn State initiates approximately 80 juniors and seniors into membership in the nation's oldest honorary society.

Officers of Lambda Chapter, recently elected for 1982-83, are Alfred A. Triolo, president; Martha Kollin and Roland Good, co-secretaries; M. Thomas Pigott, treasurer; and Catherine Carter, historian. Elected to serve on the Executive Committee were Vilma R. Hunt and William R. Schnaaleig.

Reservations for the banquet may be made by calling Janet Beaulieu, 865-7533.

Penn State to host composition and rhetoric meeting

Several national experts will speak at a Penn State Conference on Rhetoric and Composition, to be held at University Park July 5-9.

Conference topics include the history of rhetoric, research in composition, grammar and linguistics, style and technical writing. Interested persons are invited to propose papers, demonstrations or workshops on these and other subjects related to rhetoric and composition.

Among the guest speakers are:

— Edward P.J. Corbett, professor of English at Ohio State University. He is a former editor of *College Composition and Communication* and the author of *Classical Rhetoric for the Modern Student*.

— Joseph M. Williams, professor of English at the University of Chicago. He is the author of *Style: Ten Lessons in Clarity and Grace*.

— James L. Kinneavy, associate professor of English and education and director of composition at the University of Texas at Austin. He is the author of *A Theory of Discourse*.

Other featured speakers will include Donald Daiker, Miami University, co-author of *Sentence Combining and the Teaching of Writing*; Richard Larson, City University of New York, editor of *College Composition and Communication*; and Marilyn Sternglass, Indiana University, author of the forthcoming *Reading, Writing, and Resourcing*.

Persons seeking further information should write or call: Professor Betsy Brown, Department of English, Room S-34 Burrowes Building, The Pennsylvania State University, University Park, Pa. 16802; (814) 863-3066.

The conference is a Continuing Education service of the College of the Liberal Arts.

Independent study moved to Mitchell

The Independent Study by Correspondence office, formerly located in Room 3 Shields Building, has moved to Room 128 Mitchell Building.



Sculptor Roger Pollak is showing his "gene-splicing" series at Kern Galleries. Here he is working on "A Gnu Man," a combination of half-man, half wildebeest. A former geologist, Mr. Pollak turned to sculpture as a career six years ago.

Foreign nationals with non-immigrant visas may need special Canadian papers

Foreign nationals employed by Penn State while on nonimmigrant visas and wishing to visit Canada should telephone the Canadian Consulate to check on visa requirements at least two weeks before their proposed departure.

The Office of Personnel Administration advises that in most cases the foreign national need only present a valid passport and a form I-94 issued by the U.S. government indicating that the foreign national is eligible to return to the United States without jeopardizing his or her visa.

However, foreign nationals from some countries — The People's Republic of China is one — must have special

Canadian visas for admission. The Canadian Consulate will not provide a complete list of those countries requiring the special visas since the list is continually changing.

To obtain this visa, the foreign national must appear in person at the Canadian Government Office of Tourism in Philadelphia with a passport and two passport photographs. The visa, if it is to be issued, will be provided within 72 hours.

The Consulate's telephone number is 215-561-1750. Calls will be accepted between 8:30 a.m. and 3:30 p.m., Mondays through Fridays, except on holidays.

Faculty/Staff Alerts

Consult policy PS-2 before hiring minors

Supervisors are reminded that under the law an employment certificate (sometimes called "working papers") is required before any minor begins working for the University. A minor is anyone under age 18 who has not graduated from high school, or who has not been declared by the high school as having attained maximum academic potential in lieu of graduation.

It should also be noted that the minimum age for University employment is age 16.

The employment certificate is issued by the minor's high school for a specific job. If the minor changes jobs within the University, a new certificate is required. Employment certificates are maintained on file by the Employment Division, or appropriate business or personnel office at facilities away from University Park. When a minor ceases employment, the Employment Division, or appropriate business or personnel office, must be notified so that the certificate can be returned to the issuing high school.

Supervisors hiring minors should review University policy PS-2, Employment of Minors, before committing employment to a minor.

HUB lot closed to parking on May 27

The HUB parking lot, Brown F, will be closed to faculty, staff, and visitors on Thursday, May 27, to accommodate the Delegate Election of Trustees. Faculty and staff members with Brown F parking stickers should park in a designated open faculty/staff area in accordance with University parking rules and regulations. The closest open areas are Blue D at the Milton S. Eisenhower Auditorium, and Blue B and Blue G at Pollock and South Halls.

Don't use PANET for personal business

The University has been able to offset ever increasing costs for long distance telephone calls by utilizing the less costly PANET service (sometimes referred to as the "network" or "wide area") whenever possible. Instead of regular telephone company long distance trunk lines.

Faculty and staff members are reminded that even though the charges on PANET are less, departments nevertheless are billed directly for every second of time-of-call, just as they are if regular long distance lines are used. A department does not receive a flat monthly billing. Each call results in a direct department billing indicating time, date and length of call, number called and cost. Therefore, a PANET call should be treated as any other

long distance call, and such calls are to be made strictly for University business. Unauthorized use of University lines for personal long distance calls is a misuse of appropriated funds.

Everyone's cooperation is needed, if the University is to keep its costs for telephone service to the minimum possible.

Keep resumes current

During the years they spend at the University, some employees acquire new skills or knowledge as the result of taking courses, participating in training programs or through individual study. They may also gain experience in another field through outside activities.

When employees apply for promotion to another job, it is important that this new information be in their files, the Employment Division points out. However, unless employees provide such information about themselves, their files cannot be brought up to date.

The Employment Division urges that all employees periodically consider whether they can add to the information currently in their files. Persons who wish to do so should request a biographical data form from the Employment Division, Room 117 Willard Building, 865-1387 (Network 475-1387), or submit a revised resume.

Job insurance explained

According to the Office of Personnel Administration, most inquiries it receives concerning the Pennsylvania Unemployment Compensation Law as it applies to the University regard what the law covers and employee eligibility to receive unemployment compensation benefits.

Office specialists note that unemployment compensation is "like an insurance plan designed to afford eligible employees limited protection against loss of wages while out of work through no fault of their own."

This job insurance, however, does not protect employees against wage loss if they are absent from work through illness or if they are not working by their own choice.

The State Office of Employment Security — not the University — determines the eligibility of persons to receive benefits. Payments are made only to persons who qualify. Payments are not based on need.

It is important to note that employers pay the total cost of providing unemployment insurance for their employees. Employees do not pay any of this cost. Insurance against unemployment is entirely separate from the insurance commonly termed "Social Security," which provides another cushion against complete loss of earnings to individuals and dependents because of retirement or death. Employees, together with employers, help to pay for this latter form of insurance.

education. Listeners are invited to bring lawn chairs or blankets and picnic dinners to enjoy an evening of music under spring skies.

Just in case, however, the raindate will be Tuesday, May 18.

Outdoor evening band concert is May 17

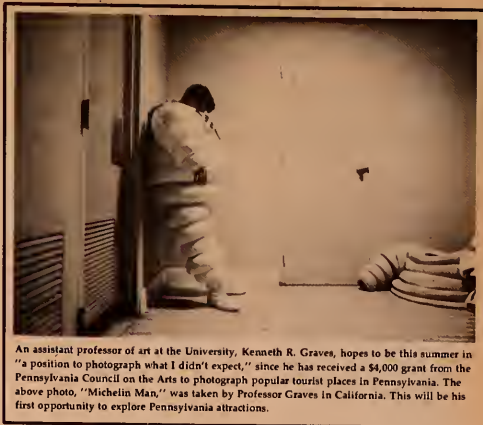
The Concert White Band will present its annual "Concert in the Park" on Monday, May 17, at 7 p.m. at the Fisher Plaza outside Kern Graduate Building.

The band is under the direction of Darhyl S. Ramsey, assistant director of bands and assistant professor of music

Early registration set for next week

Early registration for the 1982 Summer Term will be held from 8:30 a.m. to 4:30 p.m. May 17-21 in Room 112 Shields Building.

To register early, a student must present evidence of fee payment, an ID card and a preregistration schedule (pink slip).



An assistant professor of art at the University, Kenneth R. Graves, hopes to be this summer in "a position to photograph what I didn't expect," since he has received a \$4,000 grant from the Pennsylvania Council on the Arts to photograph popular tourist places in Pennsylvania. The above photo, "Michelin Man," was taken by Professor Graves in California. This will be his first opportunity to explore Pennsylvania attractions.

Staff Vacancies

The following vacancies for positions classified as staff except as noted are open for applications. The announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., May 20, 1982. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

SERVICE DESK COORDINATOR, OFFICE OF PHYSICAL PLANT, UNIVERSITY PARK Responsible to Scheduler-Planner, Service Desk for the coordination of activities of the Service Desk on nights and holidays. Operates Central Control System during critical alarm situations; makes emergency call-outs of employees; coordinates their work; ensures proper emergency response. Receives and handles customer complaints. High school education or equivalent, plus at least one year of experience in building construction and/or building maintenance. Normally will work the following hours: Thursday, 12 midnight to 8 a.m. Friday, 12 midnight to 8 a.m. Saturday, Saturday, 8 p.m. to 8 a.m. Sunday, Sunday, 8 p.m. to 8 a.m. Monday.

ASSISTANT DIRECTOR OF NURSING, (OR COMPLEX), COLLEGE OF MEDICINE, HERSHEY Responsible to the Assistant Hospital Director/Director of Nursing Services for assisting with the administration of the Department of Nursing Services within assigned patient care areas including the planning, organizing, staffing, coordinating, and evaluating activities necessary for continuation and supervision of nursing care. A bachelor of science degree in nursing or equivalent, plus four to five years of effective experience and licensed to practice as a registered nurse by the Pennsylvania State Board of Nurse Examiners.

BUYER, OFFICE OF BUSINESS SERVICES, UNIVERSITY PARK Responsible to the Director of Purchasing Services for the efficient and effective procurement of required items. Evaluate specifications, giving consideration to quality, cost and delivery requirements; solicit quotations; interview vendors, expedite

deliveries, handle adjustments, and perform all necessary related purchasing service functions. Bachelor's degree or equivalent, preferably in business administration or a related field, plus two to three years' effective experience.

Background in procurement of air conditioning and refrigeration, electronics and communications, plumbing equipment and supplies, printing and related items is preferred. Achievement of Certified Purchasing Manager helpful.

Names sought for Research Staff Pool

The University annually receives grants for projects designed to fulfill specific research responsibilities.

Often the research grant or project is of relatively short or temporary duration. In most instances, University project administrators must react quickly in making selections of support staff personnel for their projects. Therefore, it is desirable to have an available pool of faculty and staff members who are interested in applying for such research support staff positions.

This announcement is made so that qualified individuals may make their interests known. The types of temporary research support staff positions typically available are: Senior Project Associate, Project Associate, Project Assistant, Senior Research Technologist, Research Technologist and Research Technician.

The types of discipline backgrounds required vary depending on the projects involved. They may include physics, engineering, agriculture, mathematics or chemistry, but are not limited to these areas.

If you apply, your name will be placed in the pool of candidates that will be considered as such opportunities arise. An announcement similar to this will be made each six months.

If you feel that you are interested in and have background related to typical University research projects, you may apply now or in the future for such temporary research support staff positions by calling the University's Employment Division, 865-1387 (network 475-1387).

Concert Choir will perform on Monday

The Penn State Concert Choir, under the direction of Timothy Shetler, will present a varied program of works for smaller choir on Monday, May 17, at 8:30 p.m. in the Music Building recital hall.

Selections include: "Christus Factus Est" by Anton Bruckner; "Nun Danket Alle Gott" by Johann Pachelbel; the "Alleluia" from Johann Sebastian Bach's Motet No. VI, "Praise the Lord All Ye

Nations"; "O Hülfe Christ, Gottes Sohn," the conclusion to "The Passion According to Saint John" by Heinrich Schutz; and three pieces by Benjamin Britten — "A Hymn to the Virgin," "Jubilate Deo" and "Festival Te Deum".

Faculty conductor of the Concert Choir, which was formed in the fall of 1981, is D. Douglas Miller, associate professor of music.

University Park Calendar

May 13 — 23

Special Events

Thursday, May 13

Fixed date for meetings involving Commonwealth Campus faculty. Also May 14.

New German Cinema, Fassbinder, *The Third Generation*, 7 and 9 p.m., HUB Assembly Room. Also May 14.

Museum of Art film, *Grandeur and Obscurity*, 7 p.m., First Floor Gallery.
University Readers, *Size 12 Boot, Size 10 War*, 7:30 p.m., 112 Kern.

Black Studies Program lecture, 7:30 p.m., Robeson Cultural Center conference room.
Joseph Brooks, Emergency Land Fund, Atlanta, Ga., on "The Status of Blacks in the Rural South: Soga of a Declining Resource Base."

Penn Statesman Stage Band jazz concert, 8:30 p.m., HUB Assembly Room.

Friday, May 14

Deadline for graduate students to submit petitions to Records Office to graduate in absentia in May.

STS/Three Cultures Dialogue, 12:20 p.m., 101 Kern. Talks by Donald H. Ford, human development, and Marlene Wardworth, family studies.

Sports: track and field (men), Penn State Open, 3 p.m.; golf (women), Lady Lion Invitational, through May 16.

Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. George Macenko, Central Washington Univ., on "Reclamation of Mined Land."

Commonsplace Theatre, *Altered States*, 7 and 9 p.m., 112 Kern. Also May 16.
GSA Coffeehouse, 8 p.m., 102 Kern.
Cinemathèque, *The Lady from Shanghai*, 7 and 9 p.m., 121 Sparks. Also May 15.

Saturday, May 15

France-Cinema, De Broca, *Practice Makes Perfect*, 7 and 9 p.m., 112 Kern. Also May 17.
Penn State Percussion Ensemble concert, 8:30 p.m., Music Bldg. recital hall.

Monday, May 17

Early registration, through May 21.
Concert White Band, "Concert in the Park," 7 p.m., Fisher Plaza.

University Readers, *The Last Question*, 7:30 p.m., HUB Reading Room. Also May 18.
Penn State Concert Choir concert, 8:30 p.m., Music Bldg. recital hall.

Wednesday, May 19

Spring Term classes end, 9:55 p.m.
Last day for signing Spring Term Emergency Loans, 108 Shields.
Graduate Council meeting, 3 p.m., 101 Kern.
University Readers, *Birth of the Prophet*, 7:30 p.m., Kern Auditorium.

Thursday, May 20

Final examinations, through Monday, May 24.
Kern Classics, *The Eagle Has Landed*, 7 and 9 p.m., 112 Kern.

Friday, May 21

Commonsplace Theatre, *Annie Hall*, 7 and 9:15 p.m., 112 Kern. Also May 22.

Seminars

Thursday, May 13

Materials Science and Engineering, 11 a.m., 301

Steidle, Herbert Richter, Fraunhofer Inst. on "Experimental Investigation into Environmentally Assisted Crack Growth in Glass."

Chemistry, 12:45 p.m., 333 Whitmore. William R. Heineman, Univ. of Cincinnati, on "Thin-Layer Spectroelectrochemistry of Inorganic and Biological Systems."

Philosophy, 3:30 p.m., 101 Kern. Alphonso Lingis, philosophy, on "Passive Action"; Richard Cohen, philosophy, on "The Privilege of Reason and Play: Levinas and Derrida."

Anthropology, 3:30 p.m., 107 Carpenter. Roscoe Stanton on "Chromosome Evolution in Primates."

Physics, 3:50 p.m., 117 Osmond. K. Johnson, MIT, on "Current Status of the Bag Model of Hadronic Structure."

Industrial Engineering, 4 p.m., 216 Hammond. Jonathan Plaut, Eltra Corp. and Allied Electronic Components, on "Product Quality: A Multi-Disciplinary Approach."

Friday, May 14

Engineering Science and Mechanics, 4 p.m., 215 Hammond. M.R. Louthan, Virginia Polytechnic Inst., on "Environmental Degradation of Materials."

Monday, May 17

Div. of Learning and Telecommunications Services meeting, 3 p.m., 8 Mitchell. Ann Shields, Katie O'Toole and Sandra Thomas, WFSX, on "What's in the News?"

MC3B, 4 p.m., 101 Althouse. Edward L. Kuff, Nat'l. Cancer Inst., NIH, on "Retiterated Endogenous Retroviral Genes: Functional and Evolutionary Considerations."

Entomology, 4 p.m., 204 Patterson. Jee Choe on "Community Ecology of Ectoparasites on Alaskan Seabirds," and Ralph Richardson on "Taxonomy and Distribution of the Hoplopleurid Lice of the Australasian Region (Anoplura: Hoplopleuridae)."

Tuesday, May 18

Metallurgy, 9:45 a.m., 301 Steidle. P.A.A. Khan

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

on "Laser Welding of Nickel-Chromium-Molybdenum Containing Steels"; F. Chermant on "Effect of Point Defects on the Dissolution of Sulfides"; H. Wei on "Electrical Conductivity of a Dispersed Phase System (C-Si)"; and T.R. Parayal on "Mechanisms of Recrystallization in Duplex Stainless Steels."

Biology/Ecology, 11:10 a.m., 213 Buckhout. James Porter, Univ. of Georgia, on "Competition and Catastrophe: Principles of Organization in a Tropical Marine Community."

Plant Pathology, 3:45 p.m., 213 Buckhout. Priscilla Parish on "DeBary - Classic - 11"; Geosciences, 3:45 p.m., 22 Deike. S.C. Solomon, M.I.T., on "Tectonic Evolution of the Terrestrial Planets."

Exhibits

Chambers Gallery: Undergraduate School of Visual Arts Show.

Kern Gallery: Robert Milnes, ceramics, and Roger Pollok, clay.

Museum of Art: Director's Choice, Selected Works from the Museum's Collection. Sculpture and Sculptural Objects from the Museum's Collection.

Dorra de Pedry-Hunt, medals and sculpture.

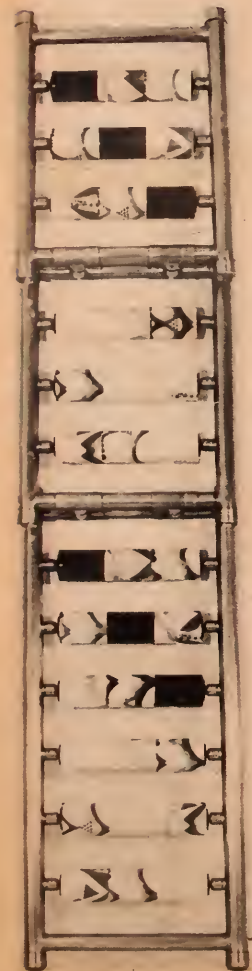
Pattee Library: Rare Books Room: Goethe: The Fortunes of Faust.

East Corridor Gallery: Lois Johnson, prints, through May 20.

Main Lobby and Second Floor, East: Sandra Braund, Dean Enarros, Linda Rossman, recent works, through May 20; Jo Ward, poetry, opens May 21.

Lending Services Lobby: Heather Bentz, recent work.

Visual Arts Bldg., Zoller Gallery: Undergraduate Student Exhibition.



Ceramic sculpture by Robert Milnes is exhibited in Kern Galleries through May 28.

Arts Roundup

URTC Festival Theatre to mark 'Silver Summer'

URTC's Festival Theatre will observe its "Silver Summer" — its 25th consecutive season of professional summer theatre — with four productions that include drama, comedy and music.

The Silver Summer season will open in the Pavilion Theatre on June 24 with *Life with Father*, the Lindsey-Crouse comedy which chronicles the Day family's struggle to get Father Day baptized. Considered a classic of American comedy, it will run at the Pavilion Theatre June 24-27 and 29, and July 4 and 6-11.

Babes in Arms, a musical comedy by Richard Rodgers and Lorenz Hart, will open at the Playhouse July 1. Screen fans will remember the film version of *Babes*, which starred Mickey Rooney and Judy Garland. The show, about a troupe of young people attempting to produce summer stock theatre, will run at the Playhouse July 1-4, 6-11 and 13-18.
Dr. Hugh Leonard's 1978 winner of the Tony Award for best play, opens at the Pavilion Theatre on July 22. The comic story about a young man's need to come to terms with his father and with himself, it will be performed July 22-25 and 27, and Aug. 1 and 3-8.

Concluding the Silver Summer will be *South Pacific*, Rodgers and Hammerstein's ever-popular tale of love on a tropical island during World War II. It will be staged at the Playhouse July 29-Aug. 1, and Aug. 3-8 and 10-15.

Certain time is 8 p.m. every day except Sundays, when it is 7:30 p.m. Season subscriptions only are on sale at the Playhouse Box Office Monday through Saturday from 11:30 a.m. to 6 p.m. Subscriptions also may be charged to VISA or MasterCard by telephoning the box office during the same hours at 865-1884.

Single tickets will go on sale June 2; the box office will be closed from May 14 through May 24.

A campaign to raise funds to help underwrite the Silver Summer season is currently underway. Persons interested in contributing to, or learning more about, the campaign should contact Nancy H. Miller at 863-2142.

'Pop, pop, fizz, fizz Wow, what a concert it is'

The Penn State Percussion Ensemble will present a concert Saturday, May 15, at 8:30 p.m. in the Music Building recital hall. The group will perform under the direction of Dr. Michael Udow, assistant professor of music.

The ensemble will begin the program with J. Kent Williams' "African Sketches" in three movements, a composition that uses traditional West African rhythms. Following "Renaissance Suite," arranged by Wayne Duesterbeck, the group will play "Percussion Music" in four movements by Michael Colgrass, who received the Pulitzer Prize for his

percussion and orchestra piece "Deja Vu."

Marimba player Rick Hoover will be featured on Alan Hovhanness' "October Mountain" in five movements, and the first part of the program will close with "Epirhematic Szyzygy" by Jackson Hill of the Bucknell University music faculty. The piece is scored for four performers and 18 amplified water glasses with 114 Alka-Seltzer tablets. The electronics for this piece will be handled by Robert Wilkins.
Dr. Udow's own "White Dwarf," with soprano Suzanne Roy, pianist Keith Ward and tuba player Bill Babcock, is based on six poems by John Updike. The ensemble will also perform Haydn's "Four Canons," arranged by timpanist Stanley Leonard of the Pittsburgh Symphony Orchestra, and Malloy Miller's "Two Rituals for Percussion."

Featured soloists on Charles Owen's arrangement of "Chopsticks" will be xylophonist Edward Nardi and pianist Diane Schermerhorn, and the concert will conclude with "La Bamba," traditional Mexican folk music arranged by Bill Calton of the Nexus Percussion Group.

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20 Penn State Campuses to hold Commencements

Faculty members at University Park are invited to participate in the Saturday, May 29, Spring Commencement exercises, at which Dr. Arthur H. Hayes Jr. will deliver an address.

Dr. Hayes was appointed U.S. commissioner of the Food and Drug Administration in April of last year by Richard S. Schweiker, secretary of Health and Human Services. Before going to Washington, Dr. Hayes served as professor of medicine and pharmacology and chief of clinical pharmacology at the Milton S. Hershey Medical Center. He is also a 1950 graduate of Penn State.

Faculty members should assemble in academic regalia at 10:15 a.m. in the Home Team Locker Room area at Beaver Stadium for the formal academic procession. Reserved seating will be provided on the field.

The ceremony, at which nearly 5,000 graduates are expected to receive their degrees, will begin at 10:30 a.m.

In case of rain, three commencement exercises will be held in the morning at 10:30, and two ceremonies in the afternoon at 2.

In the morning, the Colleges of Arts and Architecture, Earth and Mineral Sciences,

Education, Human Development and Science will attend ceremonies in Recreation Building. Eisenhower Auditorium will house the College of Engineering, and Schwab Auditorium, the Graduate School.

In the afternoon, students from Agriculture, Business Administration, and Health, Physical Education and Recreation will graduate in Recreation Building. Those from Liberal Arts, Bachelor of Philosophy candidates, and students earning associate degrees from all colleges will go to Eisenhower Auditorium.

A total of 20 commencement exercises are being held this spring at Penn State campuses. The schedule follows:

Altoona, May 29, 10:30 a.m., Adler Physical Education Complex. Speaker: Robert C. Jubelirer, State Senate majority leader.

Beaver, May 28, 7 p.m., Brodhead Cultural Center. Speaker: Dr. Stuart Forth, dean of University Libraries.

Behrend College, May 29, 10 a.m., Reed Lawn (rain site, Erie Hall). Speaker: Honorable Barbara A. Mikulski, congresswoman, 3rd Congressional District of Maryland.

Berks, May 29, 10:30 a.m., Community

Center. Speaker: James R. Stoudt, chairman of the board, Gilbert Commonwealth, Reading, Pa.

Capitol, June 19, 10:30 a.m., Founders Hall in Hershey. Speaker: Roy Wilkinson Jr., retired justice of Supreme Court of Pennsylvania.

Delaware County, May 27, 7:30 p.m., Library/Learning Center amphitheatre. Speaker: Dr. Theodore L. Gross, provost and dean, Capitol Campus.

DuBois, May 28, 2 p.m., Multi-Purpose Building. Speaker: Dr. Robert J. Scannell, vice president and dean of the Commonwealth Education System.

Fayette, May 29, 11 a.m., Student Union Auditorium. Speaker: Ronald Polka, Fayette student.

Hazleton, May 27, 7 p.m., formal gardens on campus. Speaker: Theodore T. Tarone, division president of Basic Micro Electronics, Inc., Lake Park, Fla.

Milton S. Hershey College of Medicine, May 23, 2 p.m., Founders Hall. Speaker: Harold S. Mohler, chairman of the board, Hershey Foods Corporation.

McKeesport, May 29, 10 a.m., Buck Union Building. Speaker: Dr. Stuart Forth, dean of University Libraries.

Mont Alto, May 29, 11 a.m., outside on

campus. Speaker: William J. Moore, State senator for the 33rd District of Pennsylvania.

New Kensington, May 27, 7 p.m., Forum Theatre. Speaker: Dr. Thomas Wartik, dean of the College of Science.

Ogontz, May 27, 8 p.m., Physical Education Building. Speaker: Edward H. Wiley Esq., director of Equal Opportunity Programs at Lockheed Corporation.

Schuylkill, May 27, 7:30 p.m., Multi-Purpose Building. Speaker: Associate Provost Rosemary Schraer.

Shenango Valley, May 28, 7:30 p.m., Campus Auditorium. Speaker: Carol J. Folwell, Shenango Valley student.

Wilkes-Barre, May 28, 6 p.m., outside on campus (rain site, Lake Lehman High School). Speakers: John B. Arnold, former president of GTE International, and Dr. Leo Goodman-Malamud, president of Governor State University, Park Forest, Ill.

Worthington Scranton, May 28, 7 p.m., Physical Education Multi-Purpose Building. Speaker: Dr. Theodore L. Gross, provost and dean, Capitol Campus.

York, May 27, 8 p.m., Student Community Center. Speaker: Dr. Charles L. Hosler, dean of the College of Earth and Mineral Sciences.

Rapid growth in computing power necessitates coordination

Editor's note: The following article was prepared by Charles R. Blunt, coordinator, Information and Administrative Services, to encourage faculty and staff members throughout the University in planning for and coordinating computer facilities.

Over the past four years, Penn State more than doubled the computing power acquired over the previous 20 years. This remarkable growth has most likely occurred, in part, because there is expanding computer awareness and applications development among faculty members in all academic disciplines. Many laboratory experiments are now controlled and analyzed with small computers.

Research results are often organized and published with computer-aided processes. An expanding number of instructional programs use some form of computer assistance to demonstrate materials and concepts to both undergraduate and graduate students.

The stimulation to this expanded usage of computers in universities stems from their increasing power to process and

handle information while they also become more affordable. Since 1952, for example, the price of internal computer memory has dropped by a factor of 600 while the speed of the processors has increased by 1,000! The desk-top micro (personal) computer today rivals the large mainframe processor of the 1950s in processing power and performance, yet costs a fraction of the price of these first generation, room-sized computers.

Because computing systems can now be purchased with monies available at the departmental level, much of this growth has decentralized academic computing. Moreover, most of these equipment acquisitions are not coordinated with other University-wide computing efforts. Since the ordered growth of computing is vital to the academic excellence of Penn State, the process of reviewing and coordinating computer acquisitions was strengthened in 1980 with the formation of the Computer Equipment Committee and upgrading of the Computer Acquisition Policy Guideline, AD-4. The present Computer Equipment Committee

(CEC) is chaired by Gerald G. Johnson Jr., associate professor of computer science, and consists of the following members:

William S. Adams, director, Hybrid Lab, and professor of electrical engineering;

Charles R. Blunt, coordinator, Information and Administrative Services;

Clarence A. Brockman, associate provost, Hershey Medical Center;

Richard L. Crowley, assistant vice president, Business Services;

Donald T. Laird, director, Computation Center, and associate professor of computer science;

Milton C. Hallberg, professor of agricultural economics;

Eugene R. Melander, assistant vice president, Undergraduate Studies, and professor of quantitative business analysis;

Charles H. Nagney, director, Management Services;

Gordon W. Rawlins, assistant dean, Bibliographic Resources and Service

Division, University Libraries;

Rosemary Schraer, associate provost and professor of biochemistry;

William A. Steele, professor of

chemistry;

Thomas E. Tracy, director, Office Management;

Francis J. Vastola, professor of fuel science.

The CEC is also served by the equivalent of one full-time staff person from the Office of Information and Administrative Services Coordination (IASC). All capital equipment requests, in excess of \$500, are routed to IASC by the purchasing units of the University (e.g., the Department of Purchasing Services) for information or review. Figure 1 on page 3 illustrates the over \$13,600,000 in computer or word processing equipment examined by IASC since July 1979. IASC screening is usually sufficient for about 80 percent of the requested items; thus only a small number of the requests appear on the monthly agenda of the CEC.

In general, IASC discharges its review in one to three working days. This screening effort may alert a requestor that (a) they should notify the Computation Center of their intention to acquire "dial-

(Continued on page 3)

News in Brief

New phone numbers

Individuals wishing to contact Joseph J. Manfield, Penn State's new vice president for development, will find him in Room 116 Old Main, 865-6580.

Charles Lupton, special assistant to the senior vice president for administration, can be reached in Room 309 Old Main, 865-7661.

Libraries' hours

University libraries will observe the following hours during Spring Term final exams week and term break.

Today (Thursday) and tomorrow, May 20-21, the first, second, third and fourth floors of East Pattee and the Reserve

The front entrance/exit of Pattee Library will be closed from Tuesday, May 25, until the beginning of Summer Term on Wednesday, June 9, to allow for installation of a revolving door. During this period, the ground floor entrance/exit in East Pattee will be open.

Reading Room, ground floor West, will remain open until 2 a.m.

On Saturday, May 22, Pattee and the branches will close at 5 p.m. The Reserve

Reading Room will remain open until 10 p.m.

On Sunday, May 23, the first, second, third and fourth floors of East Pattee and the Reserve Reading Room will remain open until 2 a.m.

On Monday, May 24, Pattee and the branches will remain open until 7 p.m.

The regular term break schedule begins Tuesday, May 25. The libraries will be open from 7:45 a.m. to 5 p.m. Monday through Friday and closed Saturday and Sunday.

The libraries will be closed on Monday, May 31, for Memorial Day. Summer Term hours will begin on the first day of classes, Wednesday, June 9.

Spring enrollment up

Enrollment at the University is 1,703 higher this spring than last.

Final enrollment at all Penn State campuses for the 1982 Spring Term is 51,898, compared to the 1981 total of 50,195. Both figures include all resident instruction students.

There are 585 more students this spring than last at the Commonwealth Campuses, according to Dr. Robert E. Dunham, vice president for undergraduate studies.

Dr. Dunham also noted that enrollment increased by 947 at University Park and by 152 at Capitol.

Penn Staters

Dr. Clifford C. Clogg, associate professor of sociology and statistics, has been named a Fellow of the Center for Advanced Study in the Behavioral Sciences at Stanford, Calif., during the 1983-84 academic year.

The Center for Advanced Study, founded and endowed by the Ford Foundation, annually selects a class of 40 to 50 Fellows, each considered a leader in his or her discipline by virtue of promise and productivity. Dr. Clogg, who holds a Ph.D. from the University of Chicago in sociology, is currently administering a \$100,000 grant from the National Science Foundation for a study on "Demographic Indicators of Underemployment, 1969-80." He is the author of *Measuring Underemployment: Demographic Indicators for the United States* (Academic Press, 1979).

Marshall W. Raffel, professor of health planning and administration, gave an invited lecture in April at the Central Institute for Advanced Medical Training in Moscow. The lecture, on health services in the United States, was part of a World Health Organization sponsored course for health administrators in the Soviet Union. Professor Raffel also spent five weeks in the Soviet Union as a participant in the US-USSR Health Exchange Program, having been nominated for participation by the Fogarty International Center at the National Institutes of Health. He visited cities in five Soviet republics studying planning, organization and decision making in the health sector.

Dr. James E. Wright Jr., professor of genetics, presented a seminar at Cornell University entitled "Evolution of the Genomes of Salmonids Fishes."

Dr. J. Cordell Hatch, professor of agricultural communications, recently returned from a three-month assignment in the Philippines, where he evaluated communication programs and facilities of the Ministry of Agriculture. Under sponsorship of the World Bank, the U.S. Agency for International Development and the Philippines Bureau of Agricultural Extension, he also provided communications training for ministry and bureau staffs, assisted in program development, specified equipment and produced plans and designs for future systems. It is hoped that this work is a preliminary to more substantial linkages between Penn State and the Philippines.

Dr. John B. Dalbor, professor of Romance languages in the Department of Spanish, Italian and Portuguese, was unanimously selected as "Foreign Language Educator of the Year" by the executive council of the Pennsylvania State Modern Language Association. The choice was based on his more than 20 years of teaching experience and his active involvement in professional organizations during his career.

Bookshelf

Dr. Edwin L. Herr, professor and head of the Division of Counseling and Educational Psychology, is the senior editor of a new book, *Foundations for Policy in Guidance and Counseling*, published by the American Personnel and Guidance Press. The volume, the first to consider the history and future of public policy in guidance and counseling, is a result of a three-year study financed by the National Institute of Education. Dr. Herr also wrote several chapters for the 222-page book.

Dr. Mary M. Dupuis, associate professor of education, and Dr. Eunice N. Askov, professor of education, are authors of *Content Area Reading: An Individualized Approach*. The 350-page textbook, published by Prentice Hall, shows content area teachers how they can teach their content subjects more effectively while also helping students develop their reading skills. In addition, Dr. Askov is senior author — with Karlyn Kamm, a

reading consultant with Learning Multi-Systems, Inc. — of *Study Skills in the Content Area*. Published by Allyn and Bacon, Inc., this 288-page text is suitable for both elementary and secondary teachers, emphasizing a diagnostic-prescriptive orientation toward teaching study skills in content area subjects.

Promotions

Staff Exempt

Theodore G. Bean to assistant extension agent in Agriculture.
Denise J. Chase to assistant extension agent in Agriculture.
Robert A. Kessling to foreman, Fleet Operations in Business Services.
William C. Kleiner to assistant extension agent in Agriculture.
Robert E. Osterling to assistant extension agent in Agriculture.
Jerry L. Schiesler to assistant building superintendent in Student Affairs.
Joel T. Simmons to assistant extension agent in Agriculture.

Staff Non-Exempt

Jeanne D. Barry to senior research technician at Hershey.
Bonnie L. Kern to senior research technician at Hershey.
Nancy E. Killen to administrative aide in Science.
Anne T. Martin to senior staff nurse at Hershey.

Clerical

Sherry D. Ellenberger to secretary A in Business Services.
Rebecca Gorsuch to technical secretary B in Human Development.

Technical Service

Terry Brungart to maintenance worker area landscape in Physical Plant.
Robert L. Bumbaugh to community service officer at Mont Alto.
William R. Conway to food service worker in Housing and Food Services.
Charles Mader to maintenance worker, utility at Capitol.
Gregory J. Mussey to electronics technician, Computer Systems in Physical Plant.

Partings

William I. Donaldson is retiring June 30 as an assistant professor of engineering at Berks. He joined the faculty in 1967.

Kathrine D. Heath, assistant director for Administration and Field Services in Continuing Education, left the University March 1 after serving since 1967.

Mildred L. Musser, a nurse with University Health Services, retired May 18 after serving since 1963.

Ivan G. Owens Jr., a driver and maintenance worker with the Office of Physical Plant, will retire June 2 after service dating back to 1969.

Margaret Tamesa, a nurse at the Hazleton Campus, is retiring June 30. She has been with Penn State since 1963.

Geraldine L. Waltz, a cook with University Health Services, is retiring May 30 after serving since 1963.

Obituaries

Walton J. Lord, associate professor of art history, died Saturday, May 15. He was 64.

A member of the faculty since 1961, he received both B.S. and B.A. degrees from Penn State. His master of arts degree in art history was conferred by Harvard University.

Harry K. Hutton, professor emeritus of education, died May 4. He was 74. A Canadian, Dr. Hutton received his D.Ed. at Penn State and taught at the University from 1952 until his retirement in 1971.



Celebrating their 25th year with the College of Engineering are from left: Top, Dr. Robert M. Barnoff, professor and head of Civil Engineering; Dr. Richard D. Guild, associate professor of industrial engineering; Center, Dr. Samuel S. Lestz, professor of mechanical engineering; Dr. Charles C. Peiffer, associate professor of chemical engineering; Bottom, John T. Shultz, computer technician in electrical engineering; Robert E. Totenbier, research assistant in nuclear engineering.

From the Press

A Pennsylvania German Reader and Grammar (A Keystone Book). By Earl C. Haag. 299 pages. \$12.95.

This book presents the language (Pennsylvania German, Dutch or Deutsch) developed by the settlers whom William Penn brought to Pennsylvania from the Rhine Valley. The settlers' dialects evolved into a formal language which has been spoken and read — despite orthographic variations — for three centuries throughout much of the Commonwealth and in parts of the middle and far west and Canada.

The book contains 13 readings — on such topics as school, house, farm and town, as well as dates, weather, body parts and clothing — each with translations on facing pages and followed by vocabulary and grammatical rules. By the end of the book, all major rules of grammar have been covered, together with a substantial working vocabulary.

An introduction gives an overview of the language and a guide to pronunciation; an appendix presents practice patterns for the serious student,

and an index leads to definitions of all vocabulary words.

The author is associate professor of English and German at Penn State's Schuylkill Campus. Professor Haag developed his interest in Pennsylvania German while doing graduate study on Palatine dialects under the late Albert Buffington of Penn State and in Germany at Heidelberg University.

Funding Sources

For further information, call 865-1375

(860-1) The National Endowment for the Humanities announces a continuation of its Summer Seminars for College Teachers Program. Seminar Directors are needed for the 1983 program. The deadline is July 1, 1982. The program purpose is to provide opportunities for teachers at undergraduate colleges and universities and at junior and community colleges to work in their areas of interest with distinguished scholars and have access to libraries suitable for advanced study and research. For information, call Dorothy Wartenburg at 302-724-0376. (Ref. NEH announcement.)

Computer coordinating

(Continued from page 1)

up" terminals because new communication methods are being implemented that could save them operating costs; (b) the suggested word processing system has a shaky reputation for support at University Park; (c) a vendor has announced a better cost-performing processor than the unit requested; (d) it would be useful to consider alternative approaches or vendors; (e) a wider undertaking is under study by the University, etc. Feedback from faculty and administrators has indicated that, in many instances, the information they received allowed them to acquire equipment with better cost-performance than originally requested.

Through the wide professional experiences and interests of the CEC membership, major systems acquisitions are reviewed for their technical and economical merit (does the proposed facility need a filtered power source and a "true" ground; could another vendor's internal memory save \$10,000 in the purchase cost?). This coordination and review process also raises University-wide issues that are examined by a sub-committee or the staff support of the CEC.

Recently, for example, a task force of CEC was formed under Professor Frank Vastola to examine the exponential growth of micro-computers and to recommend ways to improve the value of this technology to the academic community throughout the entire PSU system. Some preliminary thoughts of the task force include networking concepts to exchange information and to share software and hardware resources; the addition of consulting staff support to aid faculty members with programming and device interfacing problems; and the development of University support for equipment maintenance and the ability to borrow equipment for short periods to replace disabled units or for classroom demonstration.

Another area of focus has been on the explosive growth in demand for data communications. The Computation Center has been expanding support for interactive computing while also improving its remote job entry facilities for terminals. IASC, in cooperation with the Computation Center, Pattee Library, Management Services, and the Commonwealth Educational System, has coordinated the installation of experimental communication facilities so that (a) remote Campuses can access both the Computation Center and Pattee Library through one dedicated communications line and (b) the same terminal can access multiple computers, even though the host computers utilize different types of communications.

Word processing systems also rank high among the requests. This particular area poses one of the greatest dilemmas to the CEC. Most articles on office automation cite equipment integration (e.g., the typewriter, intelligent copier, telephone, file cabinet, etc.) as the key to the office of the future. Yet, few standards exist in the industry to permit reasonable integration of equipment from different vendors. Similarly, there are wide variances in the costs and capabilities of different equipment. Moreover, these technologies are changing rapidly so that the relative value of computer-based word processing on a large central processor, or a micro-computer, or an office product word-processing system, continues to shift as new products and software are announced. In general, the value of word-processing in the College offices can be increased and the costs to the College can be minimized if the academic unit treats this issue as a College-wide problem to be solved in a compatible manner

	79-80		80-81		81-82*	
	#	\$	#	\$	#	\$
Large Computers (over \$100,000)	6	\$1,050,600	5	\$2,111,000	2	\$ 646,900
Small Computers (less than \$100,000)	72	788,600	227	1,244,400	176	650,500*
Word Processing Systems	22	287,100	38	349,300	26	2,000*
Terminals & Printers	239	412,100	327	564,400	253	216,400*
Plotters & Graphic Systems	8	224,900	12	265,600	8	39,200*
Modems & Comm. devices	28	30,900	27	207,000	102	89,300*
Memory, Disc	46	77,700	93	236,100	81	184,600*
TOTALS		\$2,871,900		\$4,977,800		\$2,118,900

Figure 1 — Equipment Acquisition under Administrative Guideline AD-4

* FY 81-82 figures are as of March 31, 1982. Based on previous experience, approximately 40% of the acquisitions in these categories are likely to be made during the remaining 2.5 months of this fiscal period.

across all departments. Moreover, because the University is committed to a major program of Administrative Information Systems (AIS) development, Colleges are encouraged to be cautious in their implementation of word processing systems while the standards for University data communications and document distribution are being developed.

CONCLUSIONS

There is exciting potential in the on-going electronic revolution for universities to discover innovative ways to further research, increase the scope of instruction, and expand the impact of their public services programs. These electronic data processing and data communications capabilities also offer significant potential to lower the unit costs of university administration.

Although individual faculty initiatives will continue to be important, it is now vital that the broad programs of the institution be examined with respect to the opportunities afforded by these advancing computers and communication technologies. It is important that each year's capital investment in computers, word processing systems, and communicating equipment build a strong foundation for the continuing growth of academic computing and University-wide administrative information systems. By adopting standards for data

communications and systems interfacing, significant opportunities will be opened to access and share important information and computation resources across the Penn State community.

This coordinated growth will require increased focusing of faculty thought on emerging issues and changes in academic policies that can promote mature applications of these technologies throughout the Colleges and Campuses of Penn State. Departmental objectives for improved uses of computers should now blend into College plans for computing growth. These plans, in turn, should both stimulate and be guided by the University's programs for development of its information and computation resources.

This year Penn State has retained the Electronic Data Systems Corporation to assist the University in improving the administrative information systems. This year also brought about the recognition, by the senior officers of the University, of a need for increased leadership to coordinate and focus the planning of the computing centers for the total University system. The position of Director of Computer and Information Systems was established and is in the process of being filled this summer. During the next few months, however, the present interim policies will continue to guide the computer growth of Penn State.

and procedures; assists with supervision and training of clerical staff assigned to the validation function; assists students, parents, and other offices and agencies with financial aid matters. Bachelor's degree (or equivalent) plus one to two years of effective experience in an area applicable to aid administration are required.

MUSEUM ASSISTANT, UNIVERSITY ARTS SERVICES, UNIVERSITY PARK — Work directly with the assistant director and curators to develop display concepts; keep abreast of current security, climate, display, storage techniques and equipment; inform staff of new developments; supervise graduate assistants and wage payroll personnel in activities related to transportation, storage and display of valuable works of art. Associate's degree in art or equivalent, plus two to three years of directly related experience.

A search committee has been formed for the part-time position of associate dean for Graduate School Fellowships and Financial Aid. The associate dean supervises the management of the existing fellowships and awards program.

This is an important position in the Graduate School since the incumbent interacts with departments and with federal agencies and other potential financial sources of graduate student support.

The successful applicant should be a member of the Graduate Faculty of the

Calendar

May 20 - June 9

Special Events

Thursday, May 20

Final examinations, through Monday, May 24
Kern Classics, *The Eagle Has Landed*, 7 and 9 p.m., 112 Kern.

Friday, May 21

Commonplace Theatre, *Annie Hall*, 7 and 9:15 p.m., 112 Kern. Also May 22.

Tuesday, May 25

University Faculty Senate meeting, 2:10 p.m., 112 Kern.

Thursday, May 27

Board of Trustees meeting. Also May 28.

Saturday, May 29

Spring Term Commencement, 10:30 a.m., Beaver Stadium.

Tuesday, June 1

Pattee faculty study spaces will be assigned, 7:15 a.m., C106 Pattee.

Thursday, June 3

Alumni Assn., Alumni Reunion Weekend, through June 6.

Saturday, June 5

Continuing Education English and Mathematics Placement Examinations, 9 a.m., Keller. Alumni Assn., All Class Luncheon, 12 noon, Rec. Hall.

Sunday, June 6

Student arrival date for 10 week Summer Term. Alumni Chapel Service, 9:30 a.m., Eisenhower Chapel.

Monday, June 7

Continuing Education evening classes and registration, 4-8 p.m., 101 Kern. Also June 8, 1-4 p.m.

Tuesday, June 8

Registration for 10 week Summer Term.

Wednesday, June 9

Summer Term classes begin, 8 a.m.

Exhibits

Chambers Gallery: Undergraduate School of Visual Arts Show, through May 24.
Scott Meyer and Brent Wilson, ceramics, opens May 26.

Kern Gallery: Robert Milnes, ceramics, and Roger Pollok, clay, through May 28.

Museum of Art: Director's Choice, Selected Works from the Museum's Collection. Sculpture and Sculptural Objects from the Museum's Collection.

Dora de Pedry-Hunt, medals and sculpture.

Rare Books Room: Goethe: The Fortunes of Faust.

East Corridor Gallery: "A Good Day's Catch," commercial fishing in Erie, a photographic documentary, opens May 25.

Second Floor, East: Jo Ward, ceramics, Mary Cady Rubinstein, woodcuts, opens May 21.

Lending Services Lobby: Heather Bentz, recent work, through May 24; Beth Rembold, paintings, opens May 24.

Visual Arts Bldg., Zoller Gallery:

Undergraduate Student Exhibition, through May 25.

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Louise D. Wartik, Editor
C. Thomas Resler, Associate Editor
Diane M. Lisko, Editorial Assistant
Calendar Editor — 865-2501

University with an established record of research and scholarship, and administrative experience including experience with grants and contracts. The appointment would be effective Fall Term, 1982. Applications should be sent by June 15 to E.R. Buskirk, chairperson of the Search Committee, Room 117A Noll Laboratory, University Park, PA 16802.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been announced with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., May 27, 1982. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (FES-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

COUNSELOR, CAREER DEVELOPMENT AND PLACEMENT CENTER, UNIVERSITY PARK — Responsible to the Assistant Director for Career Counseling and Planning for providing career development and placement services at the University Park Campus. Master's degree in clinical or counseling psychology, counselor education, student personnel administration, or related area, plus one to two years of effective experience are required. This is a 10-month permanent position from Aug. 15 to June 15.

ADMINISTRATIVE AID, OFFICE OF STUDENT AID, UNIVERSITY PARK — Responsible to the Assistant Director, Federal and State Programs, for assisting in creating and designing student aid validation policies

Finding ways to combat "the Ivy League syndrome"

Editor's note: The following is the text of the talk Bruce Murphy, assistant professor of political science, presented to the Honors Day students and their families.

Researching and writing *The Brandeis Frankfurter Connection* was one of the most challenging and thrilling adventures of my life. Finding the trail of evidence of the informal political activities of two of our most eminent Supreme Court justices became for me much like a detective story. There was even violence as some of the reviewers got their hands on the book. Spending the last quarter of my life paging through thousands of documents in libraries all over the nation has helped me to appreciate the problems faced by scholars in every academic field. That my study was singled out among all of the others for this unique press coverage (largely due to forces quite beyond my or anybody else's control) should hopefully serve as a way of recognizing the often unrecognized efforts of other scholars in other disciplines.

As I reflected on the relevance of that effort, and of my career, for this speech today, it became clear that in all of all the publicity on the book there was another, perhaps more meaningful story, which was not being told. It is that story which I frequently tell my own students here at Penn State and which I believe would be most appropriate for this gathering today.

While I am not that much older than you students, it seems that we are from very different college generations. My peers protested the war in Vietnam, even to the extent of shutting some colleges down, helped to launch the Equal Rights Amendment, and professed a concern for pursuing a humanistic college experience, while many of them were simply in college to avoid being drafted. Now it seems that students worry about the nuclear holocaust, protest tuition hikes, and are far more concerned with whether their degree will be a ticket to a high paying job after graduation.

But while students in our two generations had very different desires, there are some great similarities. I see in you students the same sense of confusion that I had about how to get the most out of their college education. But even more than that, after attending the University of Massachusetts at Amherst and now teaching here at Penn State, I see that many of your students suffer from the same affliction that my peers and I had. Many of them are victimized by a "state school inferiority complex." The symptoms are all too familiar. The students here are told by some within the state, as I was in Massachusetts, that all that is offered here is an inexpensive education, at a school which offers the potential for a good social life and also has a great football program. Perhaps many of you feel, as did I at that time, that they had come to Penn State because they couldn't afford to go to an Ivy League school. As a result, my students lack what I lacked, a sense of self worth about their education, and an accompanying sense of self-confidence.

I face these symptoms, and battle them to the best of my ability, on almost a weekly basis in talking to my students. For example, imagine my horror in my first year of teaching here when no fewer than a dozen women came into my office for advice about their careers in law and told me that despite their superior qualifications (all had better than a 3.5 grade point average and more than 650 out of 800 on the law school Admissions Test) they had wanted to become attorneys. Why? Because, they told me, they did not feel that they would be able to compete with representatives from other schools. (As an aside, after counselling by myself and my wife, who is an attorney, 11 of the 12 went on to do distinguished work in law school—the twelve chose to delay her legal career for a moment. I am not sure if any of them ever came back.) Every spring when my graduating seniors come to me and express many of the same doubts about how they will fare in competition with students from Ivy League schools when they too reach law school. Then, it turns out that they too are able to equal and oftentimes exceed the efforts of those other students. But rest assured that these symptoms are not unique to the students. I was sickened by the *Newsewer* reporter in the course of doing his story on the book, "If you are so good, why are you teaching at Penn State? Why aren't you teaching at Harvard or some place like that?" How does one respond to such foolishness? Perhaps by asking him, "If you are so good, why don't you write for *The New Yorker*?" Knowing that you will probably face such inquiries in the future, if you have not already, perhaps a few words about my experiences in coping with the "Ivy League Syndrome" in

which in effect is a contributing cause of the "state school inferiority complex" will be useful to you.

The worst day of my life, or so I thought at the time, was as a senior in high school on April 15, 1969. On that day, the reporting day for college admissions, I knew that I would not be able to afford to go to an Ivy League school. That meant that I would only be able to go to U. Mass. where I had applied solely because the application was free. Despite the fact that my high school guidance counselor told me that I was letting down the entire school by not going to an Ivy League school, it turned out to be the best non-decision of my life. U. Mass. had a real strength in political science, especially in constitutional law (which became my major field of interest even though I had originally intended to go to law school). Moreover, the sheer size of the university made it possible to partake of a wide diversity of programs that might not be available elsewhere.

I quickly discovered, however, that U. Mass. had some advantages over the Ivy League size. I found that the doors to the various professors were wide open and they were willing to discuss anything of concern to me. This sort of personal counselling was indispensable to someone coming from such a small high school. Over time, I developed personal relationships with two professors—Dean Alfrance Jr. and Sheldon Goldman—and they have guided the major steps in my career. Despite all of these benefits from U. Mass., I was continually haunted that perhaps because of a lack of money I was not getting as good an education, or as prestigious a degree, as I might get elsewhere.

When it came time to choose a graduate school, the choice came down to two programs—Harvard or the University of Virginia. The Virginia, the state school, had one of the foremost experts in my field of constitutional law, Henry J. Abraham, and he had already made it clear that I would be able to enjoy the same close working relationship with him that I had with my two advisers at U. Mass. Virginia I knew was the better place for me to go. So naturally I chose Harvard. Here finally was my chance to make up for what I believed was a lack of prestige of my undergraduate school and to compensate for what I knew had been an inferior education.

I don't mind telling you that the choice was an unmitigated disaster. After two weeks there I knew that I had made a mistake. There was no close personal attention either for me, or from what I could see, for the undergraduates either. Now you waited in the hall hoping for five minutes of the professor's one office hour a week (if he was on campus at all that year). One fellow on the faculty listened to what I wanted to do with my career—essentially to teach the courses I now teach at Penn State and to write the sort of book that *The Brandeis Frankfurter Connection* is—and told me abruptly that they didn't do that at Harvard and neither did anyone else in the country. But the whole experience can be summed up by one story. In one seminar the professor told a story about how the Army had messed up its administration. Knowing that everyone in the seminar knew everyone else's background, he commented, "The problem with the Army is that they take the best and brightest boys, like the ones from Harvard College, and they are picking up butts in the street. On the other hand, the real duds, the intellectual scum of the earth, like the graduates of the University of Massachusetts, go to work at Amherst in the top posts." I decided very quickly that if this was what a prestigious education was all about, I could study elsewhere.

And so I ended up at the University of Virginia. Here I was once again able to enjoy a close working relationship with the professors. Furthermore, I was able to find that the undergraduates being treated to the same open door policy that I had enjoyed at U. Mass. But most importantly, I was able to duplicate my experience at U. Mass. by finding two other personal advisers—Professor Abraham and Robert J. Harris. These two men took very nervous students, quite unlike me by the experience at Harvard, and cared enough to carefully rebuild his confidence so that he would be able to resume a career of study leading to college teaching. For example, one of Professor Abraham's many kindnesses in that first year was to offer to co-author an article with me, a very unusual offer for a young graduate student. It was this article which became the early forerunner of the Brandeis-Frankfurter book. Quite frankly, it is because of his hours of work with me, and the careful attention of the other three advisers, that I am now in this career.

By the time that I was launched on this book I had learned my lesson. There were times during the course of this study when eminent scholars told me that the idea just wasn't important enough to pursue, or that there just was not enough material to fill a whole book. My solution was to listen closely to my four advisers who were saying that the project was worth doing.

Now here I am teaching at Penn State. And one of my roles, as it is to keep my students from making the same mistakes that I did. I think that it took me until I was in graduate school at the University of Virginia to realize the value of the education that I had gotten at state universities. I know then that the best day in my life was when I decided to go to the University of Massachusetts. In fact, I decided at that time to pursue my teaching career at a state university, if at all possible, in order to re-create for my students some of the experiences that I had enjoyed. In that way, I felt that I could repay the four advisers who had spent so much time with me. And that course brings me, by way of Justices Brandeis and Frankfurter, to you today.

My experiences have led me to draw two sets of conclusions—one which is applicable to the underclassmen and the other which is most relevant now for the seniors.

For the underclassmen—continue to strive for the same excellence that you have already achieved. Success in any field of endeavor requires that you arm yourself not just with grades, but with knowledge and experiences upon which you will be able to draw in later life. To do this you must continue to be active rather than passive students. This means that you need to continually challenge yourself—seek out the courses that will push you to your intellectual limits and use the diversity of the large university to broaden your experiences.

But there is more for the underclassmen. I strongly believe that you should actively seek out, and consult, your own set of advisers in plotting your course. These people do not, of course, necessarily have to be professors here—they can be anyone—parents, clergy, friends—someone who has a message for you that you find to be useful. The reason that I mention it in this setting is that I found the doors to be wide open at the state universities and the professors to be more than willing to take an active interest in my career. But you have to take the first step and go to these people in order to develop the relationship. Most of all, listen to these people. Of course, it does not mean that one should follow his or her advisers blindly—just use the suggestions as beacons of light by which you can chart your own course. Then you will have to go out, discover these things for yourself, and make your own mistakes. By the time you are seniors I strongly believe that these two courses of challenging yourselves in classes and listening to advisers will have prepared you for life after graduation. But more than that, you can rest assured that you have gotten the most out of your education here.

Now how about the advice which is most applicable for the seniors, but which will eventually apply to the rest of you? How does one cope with the "Ivy League syndrome"? How does one conquer forever the "state school inferiority complex" in the face of some people who will always believe that such public institutions are just not worthy? After 13 years of facing these snobbish skeptics I am simply sick and tired of hearing their nonsense. It seems like the argument that is being made is that the quality of your education is somehow equal to the expense of the education, or the exclusivity of the school. Since some of these schools now cost over \$13,000 to attend each year, and Penn State costs around \$6,000, I

guess that these pundits would say that the education at the other school is twice as good. What it proves to me is that the other school's education is twice as expensive.

In fact, the quality of the education you get in any school can only partly be attributed to the resources of the school itself—its teachers, its library, its administration, its physical plant, and the like. An equal part of the quality of the education comes from the individual students. What does he or she do to seek out and use the resources of the school and what is done with the education after graduation. The real story of your reputation does not depend on the school's so much as the school's reputation depends on you.

This means that you cannot go through life feeling that you are less well-educated than those who have attended exclusive private colleges. If your students feel that they must apologize somehow for attending a state school—no matter how foolish that view might be—they necessarily diminish others' perception of this school in making the excuses. Like other types of prejudice, though, this one which you will face in some quarters cannot be beaten by mere argument. It can only be conquered by example—your example. For you in this room are not just Penn State, but the very best that Penn State has to offer.

What, then, can we do by example to change the views of others? The answer of course is to change our own perceptions. Don't either undervalue your education or underestimate the extent of your own ability. You are easily the equal, if not superior to, the best students at every other campus in America. If you don't believe my words, take a look around you today and find out what schools and jobs your classmates are moving on to.

I am afraid that just telling you this, and relating what I have faced over the years, isn't going to be enough when you are in situations where others from the exclusive schools will be trying to intimidate you by reason of their background or social station. They will try their best to make you feel that you are at an initial disadvantage. During those times, and on all other occasions, the answer is very simple. Have confidence in yourself. Know how good you are and what you are capable of doing. While others are telling how good they are, you can quietly show them that the game of life is to be played and not described. Your only competition should be not with others, but with yourself. Set high standards for your own work, and do your best to exceed them.

The truth is that such snobishness can be useful. Let these people think what they will about the value of their degree. You quietly do your work and wait for the opportunity to show your real worth either to your employer, your professor, or whenever is overseeing your future efforts. When that moment arrives, and you do excel, the snobs will have never expected it and you will catch them terribly unprepared. In the long run, perseverance, willingness to work and quiet confidence are what will make the difference in the success of your efforts.

The answer to all of this is really quite simple. Justices Brandeis and Frankfurter, and all of the other Ivy League alumni are proud of their schools. And they have every right to be. But students in our state universities must be equally proud of their schools and the value of their education. My charge to you is to join me in launching a counter-movement. The time has come for more people to be state school champions. There is nothing so useful on this campus to "Be Penn State Proud." I would just expand that a bit to say let's "Be State School Proud." And why not? For the mere invitation that you earned to this event shows that we are very proud of you indeed.

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Senate wraps up PS-23, installs officers, hears year-end reports

Convening for what its outgoing chairman, Nancy Tischler, called "Volume 2 of the May meeting," the University Faculty Senate on May 25 completed its consideration of PS-23.

The Senate voted to accept a recommendation stating that "where a dean makes a negative tenure or promotion decision, and where all recommendations prior to the dean's level have been positive, that dean is required to meet with the college committee and state his or her reasons. The intent is to require full and candid discussion when such divergent recommendations occur."

The Senate also installed its new chairman, Joseph A. Dixon, professor and head of chemistry, and learned the results of the balloting for Senate officers and committees.

Peter D. Bennett, professor and head of marketing, is Senate chairman-elect. Paul R. Shellenberger, professor of dairy science, will serve as secretary.

Other election results are:

Faculty Advisory Committee — Herbert Cole Jr., professor of plant pathology.

Faculty Rights and Responsibilities — University Park, Ernest Bergman, professor of plant nutrition, and Robert F. Schmalz, professor of geology, with Arthur K. Anderson Jr., associate professor of architecture, as alternate. Campuses other than University Park, Albert J. Miles, assistant professor of English at Ogoniz, alternate. Deans representatives, Evan G. Pattishall Jr., Human Development, and Samuel H. Smith, Agriculture, alternate.

Standing Joint Committee on Tenure — Lee W. Saperstein, professor of mining engineering and Mining Section chairman; Chauncey A. Morehouse, professor of physical education, alternate.

University Promotion and Tenure Review Committee — Anthony V. Galanti, professor of engineering at Hazleton; Herbert M. Lundgren, professor of physical education; and Carolyn Sherif, professor of psychology.

In his comments to the Senate, President Oswald responded to concerns expressed by the Liberal Arts Caucus over the question of differential tuition for the College of Engineering.

Noting that Penn State and other land-grant institutions have long had differential tuitions, Dr. Oswald

enumerated several types, including: Differences related to political boundaries, such as the higher tuition charged out-of-state students; differences determined by the level of education and locality, whereby Commonwealth Campus students pay \$255 a year less than those at University Park; differences related to location alone, such as the higher cost of graduate programs at University Park and Hershey; and differences by academic profession, as reflected by the higher tuition for the College of Medicine.

Dr. Oswald observed that many land-grant universities already have differential tuition structures for such programs as

(Continued on page 3)

Faculty development programs praised

Penn State is one of 10 institutions receiving certificates of achievement from the Academy for Educational Development for efforts in attracting and retaining young faculty members.

President Oswald accepted the certificate and a cash award of \$5,000 on June 2 at a dinner at the St. Regis Hotel in New York City.

"We are gratified that our work in attracting and keeping highly qualified young faculty members is gaining recognition through this award," Dr. Oswald said. "Penn State places a high priority on this activity — one that is absolutely crucial to growth and development within the University."

The Academy selected Penn State and nine other colleges and universities from a field of 110 schools that were nominated.

The other schools selected as winners are Brown University; Cornell University; Five Colleges, Inc., of Amherst, Mass.; Gordon College; University of Illinois; University of Michigan; Rensselaer Polytechnic Institute; Stanford University and Yale University.

Penn State was selected for three young faculty development programs in the College of Business Administration and one each in the College of Earth and Mineral Sciences and the College of the Liberal Arts.

Penn State was cited by the Academy

(Continued on page 3)



Dean Dunn



Dean Holmes

A&A, HPER deans named

The appointment of new deans for the Colleges of Arts and Architecture and of Health, Physical Education and Recreation have been approved by the Trustees.

Arts and Architecture will be headed by Dr. Robert Holmes, executive director of the Idyllwild Campus of the University of Southern California; Dr. Diana R. Dunn, head of the department of physical education at the University of Arizona, will take over at HPER. Both appointments will become effective on Aug. 1.

"Although Dr. Holmes' education has been primarily in music, he has acquired a wealth of experience in the entire field of the arts," President Oswald commented, adding: Dr. Holmes' selection as dean has received the enthusiastic support of persons who met him during the interview process, including the faculty members in the College of Arts and Architecture."

Dr. Holmes succeeds Walter H. Walters, who retired as dean on Jan. 1. He will hold the titles of dean, professor of music and director of the University Arts Services.

Dr. Oswald also noted that he is "deeply grateful to William J. McFale for serving effectively as acting dean for the interim of seven months."

"We are fortunate indeed to have Dr. Dunn joining our faculty and administration," said President Oswald. "She is an educator who has gained a national reputation for her work in the fields of physical education and recreation, and for research in a variety of

related areas."

Dr. Dunn, 45, succeeds Dr. Robert J. Scannell, who, in July, 1980, was promoted to vice president and dean of the University's Commonwealth Educational System.

In his remarks, Dr. Oswald thanked Dr. Karl G. Stoenefalk for "providing good leadership and stability for the college while a search for a permanent dean was conducted."

Prior to moving to Southern California in 1980, Dr. Holmes, 53, served as chairman of the Music Department and founding dean of the College of Fine Arts at Western Michigan University for 14 years. The College includes the School of Music, and the departments of Arts, Dance and Theatre.

Dr. Holmes has been very active in fund-raising. At Western Michigan, for example, he coordinated plans for a new \$17 million music dance building, and generated approximately \$1.5 million in private funds for the College of Fine Arts.

He presently is developing a comprehensive five-year plan and concurrent capital campaign for the Idyllwild Campus.

A 1953 graduate of Boston University, Dr. Holmes also earned two advanced degrees there — his master's degree in music history and literature and his doctorate in musicology, in 1955 and 1960, respectively.

Dr. Holmes joined the faculty of Oakland University in Rochester, Mich., in 1960 as an assistant professor of music

(Continued on page 7)

Senate provides critical checks and balances, Dixon tells group

Taking leave of her colleagues, Senate Chairman Nancy Tischler congratulated them on their thoughtful and prompt response to such matters as calendar issues and PS-23.

"It's been fun nagging at higher and higher levels of the University," she joked. "It's like being queen for a day."

As he assumed the chairmanship, Joseph Dixon noted that Dr. Tischler had traveled a total of 16,000 miles during the past year on trips between University Park and the Capitol Campus, where she is professor of English and humanities.

Dr. Dixon, who is professor and head of chemistry, said that while he had been in the University for many years, it was only in the last one that he had come to

appreciate its "diversity, strengths and problems."

As he traveled with the Senate officers, he said, he had come to perceive three major misconceptions which exist throughout the system.

The first, he reported, is that faculty members at University Park believe the Senate is controlled by the Commonwealth Campuses and does nothing for them. At the Campuses, the perception is just the opposite.

"When I consider the discussions we have had in the Senate and the make-up of our committees, I wonder how people can entertain these notions," Dr. Dixon said.

(Continued on page 3)



From left: Professors Bennett, Dixon, Shellenberger, new Senate officers.

Penn Staters

Dr. Thomas L. Leaman, professor and chairman of family and community medicine at the Milton S. Hershey Medical Center, was installed as president of the Society of Teachers of Family Medicine during its annual convention in Chicago. The Society represents more than 100 medical schools and some 350 community-based programs in family medicine.

Dr. Robert E. Dunham, vice president for undergraduate studies, has been appointed by the Secretary of the Army to a two-year term on the Army Advisory Panel on Reserve Officer Training Corps (ROTC) Affairs.

The 16-member panel includes representatives from the academic community, business and government. Its members advise the Army Chief of Staff and the Secretary of the Army on matters related to the ROTC program.

In 1980 Dr. Dunham was presented the Air Force ROTC Outstanding Services Award, the highest award the AFOTC can bestow upon a civilian. In 1979 he was the recipient of the Department of the Army's Distinguished Service Award. He has served as Penn State's military coordinator since 1969. Under his leadership, the University's ROTC detachments have become national leaders. The Air Force ROTC detachment has won the national outstanding detachment award three times in the past ten years, a record unparalleled at any other university.

Kenneth L. Miller, associate professor of radiology at the Milton S. Hershey Medical Center, is this year's recipient of the annual Health Physics Society Elda A. Anderson Award. The award is presented to a Society member under the age of 40. Criteria for the \$1,000 award include excellence in research or development, teaching or training, or other contributions to the profession of health physics.

Carroll L. Key Jr., professor of engineering research and assistant director of the Applied Research Laboratory, has received the American Defense Preparedness Association's \$1,000 Crozier Prize, in recognition of his involvement in torpedo development programs during the past 30 years. Professor Key's concept and techniques of weapons systems development led to the MK48 operational torpedo, a major breakthrough in torpedo technology, and finally to the current Advanced Lightweight Torpedo (ALWT) and advanced capability MK48 programs.

Dr. Peirce Lewis, professor of geography, was recently elected vice president of the Association of American Geographers. He will assume the presidency of the organization in April 1983.

John S. Nichols, assistant professor of journalism, recently testified before two subcommittees of the U.S. House of Representatives about Radio Martí, the proposed U.S. propaganda station directed at Cuba. His testimony was based, in part, on research that he conducted for a State Department conference on Cuba last year.

Dr. David L. Pearson, associate professor of biology, presented an invited seminar at the Department of Biological Science, Dartmouth College, last month. His topic was "Food as a Limiting Resource in Insect Communities."

Bookshelf

Dr. Peter H. Schneeman, assistant professor of English, is the author of *Through the Finger Goggles: Stories*, published recently by the University of Missouri Press.

Dr. Schneeman's collection was a winner of the Press's 1981 Breakthrough Series competition, in which more than

300 collections of fiction and poetry were submitted.

Robert Boyers, editor-in-chief of *Salmagundi* and a judge of the competition, said, "Schneeman's work calls to mind the fabulous inventions of William Gass and the exotic languages of Guy Davenport. Metaphorically rich, full of playful obliquities and meditative intensity, the stories do not so much unravel a plot as deepen our grasp of a situation."

"A brilliant 'tour de forces' performance," Mr. Boyers concludes. "Schneeman's book should mark him as one of the most audacious and original writers in the country, a writer capable at once of philosophic penetration and profound sympathy."

Dr. Schneeman was awarded fellowships for residency at Yaddo in Saratoga Springs, N.Y., in 1973 and 1980. In 1978-79, he held a senior Fulbright lectureship in American literature at the University of Bucharest. In 1980, he received a fellowship for fiction writing from the Pennsylvania Council on the Arts.

Ernest R. Weidhaas, professor of engineering graphics and head of General Engineering, is the author of *A Guidebook for Teaching Architectural Drafting*. Published by Allyn and Bacon, Inc., it is the latest in the *Stanford Guidebooks for Teaching Series*.

The guidebooks include a wide range of teaching aids to help teachers at several levels prepare lectures and laboratory assignments. Professor Weidhaas's guidebook includes reproduction pages, microcomputer software ordering information and sample architectural plans dimensioned in metric units.

His guidebook is designed as a companion to his recently published *Architectural Drafting and Design* (fourth edition), *Architectural Drafting and Construction* (second edition) and *Reading Architectural Plans for Residential and Commercial Construction* (second edition), all published by Allyn and Bacon.

Appointment

Dr. Kathryn M. Grossman, associate professor of French at Beaver, has been named acting assistant dean for the Commonwealth Educational System in the College of the Liberal Arts. Her appointment is effective July 1-Nov. 27, when she will temporarily replace Dr. Thomas J. Knight, CES associate dean, who is on sabbatical leave in Paris.

Dr. Grossman joined the Beaver Campus faculty in 1973, after earning her Ph.D. in Romance languages at Yale University. She holds a master of philosophy degree, also from Yale, and a bachelor's degree in French from Bryn Mawr College, where she graduated magna cum laude. As an undergraduate, she won the Hester Ann Corner Prize for distinction in literature. As a graduate student, she was a Woodrow Wilson Fellow and a New York State Regents Fellow. Her research has focused on aesthetics and ethics in the novels of Victor Hugo.

Promotions

Staff Exempt

Stuart Abramson to coordinator, Undergraduate Advising, at Ogontz. Norman R. Brown to textbook specialist at Bookstore.

George J. Field III to supervisor, Engineering Machine Shop in Engineering.

Ronald E. Fink to senior engineering aide in Applied Research Laboratory. Viola L. Hilgar to assistant housekeeping supervisor in Housing and Food Services. Laurie Humphreyle to area representative, Continuing Education at Hershey.

James Lippincott to assistant scheduler/customer service representative in Physical Plant.

Donna G. McConaughy to staff development instructor at Hershey.

Staff Non-Exempt

Shirley C. Baney to non-book merchandise specialist at Bookstore.

Marylou R. Houck to personnel information assistant in Personnel Administration.

Anna M. McMullen to non-book merchandise specialist at Bookstore. Cynthia A. Miller to senior research technician at Hershey.

Clerical

Wanita J. Askey to secretary A in Liberal Arts.

Tina Bennett to secretary C in Human Development.

Betty J. Condran to secretary A at Hershey.

Melinda K. Guiser to purchasing clerk in Business Services.

Beth A. Hayes to secretary B in Administrative Information System.

Susan E. Kelleher to clerk, typist A in Agriculture.

Virginia Kephart to secretary B in Science.

Dorothy R. Rudy to secretary B in Health, Physical Education and Recreation.

Dorothy J. Stauffer to senior clerk in Student Administrative Services.

Sherry L. Van Gorder to clerk records A in Engineering.

Diane J. Wawjeko to secretary B in Undergraduate Admissions.

Technical Service

C. Rodney Knepp to diagnostic technician in Agriculture.

Mark Malusky to maintenance worker (general) B at DuBois.

Barry W. McKinley to machinist A in Engineering.

Anthony G. Runison to maintenance mechanic B at DuBois.

James G. Wardle to maintenance mechanic B at Ogontz.

Partings

Barry E. Brown, instructor in history at Altoona, from Sept. 1, 1966, to July 1.

Rudolph M. Jones, assistant professor of engineering at Capitol, from Sept. 1, 1969, to June 30.

Dawson Kiang, associate professor of art history, from Sept. 1, 1964, to June 30.

G. Edward Phillips, professor of accounting, from Jan. 1, 1965, to June 30.

Marthamae C. Schlow, instructor in speech communication at Altoona, from Sept. 1, 1969, to June 30.

Donald P. Verene, professor of philosophy, from Sept. 1, 1971, to July 1.

Thomas A. Wright, assistant professor of engineering, from Feb. 1, 1952, to June 30.

Georgine Yatron, instructor in Spanish at Berks, from Sept. 1, 1968, to June 30.

Pauline H. Anderson, secretary in Continuing Education, from Nov. 26, 1968, to June 1.

Ernest E. Boyer, janitorial worker at Beaver, from Sept. 1, 1965, to May 30.

Frederick Brodzina, plumber-fitter in the Hershey Medical Center, from April 13, 1964, to June 30.

Lois I. Fallinger, supply records clerk at Capitol, from Dec. 22, 1969, to May 15.

Leota Gossert, hostess at Mont Alto, from Oct. 1, 1966, to June 30.

Ivy A. Harr, food production worker at Altoona, from Sept. 14, 1970, to May 27.

Ivy E. Lyle, residence hall worker with Housing and Food Services, from Aug.

Carpoolers

Ed Rusnak would like to share the driving from the Houtzdale or Philipsburg areas. He works from 8 a.m. to 4:30 p.m. at the Mineral Services Bldg. and can be reached at either 865-4214 or 378-8954.

Beverly Seaward is seeking a ride from Bellefonte to Fenske Bldg. She works from 7:30 a.m. to 4 p.m. and can be reached at 355-2252 (after 5 p.m.).

Obituaries

Robert J. Mowitz, professor of public administration and director of the Institute of Public Administration, died May 29 at the age of 62.

A member of the faculty since 1965, Dr. Mowitz received his A.B. degree from Syracuse University and earned his doctorate at its Maxwell School. He was a professor at Wayne State University before coming to Penn State.

His career as an educator included a wide range of public service, one of his most significant contributions being the redesign of the Commonwealth of Pennsylvania budget process. Among his numerous publications is *The Design of Public Decision Systems*.

A memorial service for Dr. Mowitz will be held today (Thursday) at 2:30 p.m. in Eisenhower Chapel.

Dr. Anthony F. Land, associate director for academic affairs and assistant professor of physics at the Schuylkill Campus, died May 26. He was 48.

A member of the Penn State faculty since 1964, he taught for one year at the Altoona Campus before joining the faculty at Schuylkill.

He received his associate degree in drafting and technology from the Pottsville Center (now the Schuylkill Campus) in 1957 and his B.S. degree in engineering science with distinction from Penn State in 1961. His M.S. degree in engineering science was awarded by the Rensselaer Polytechnic Institute and his doctorate in educational administration by Lehigh University.

Charles A. Koester, assistant director of the Cooperative Extension Service's Southwest Region, died May 18. He was 62.

Mr. Koester, whose office was on the New Kensington Campus, was first appointed to the Extension Service staff in 1950. He received his B.S. degree from Penn State in animal science in 1950 and his master's degree in public administration from the University of Pittsburgh in 1965.

Raymond D. Kennedy, assistant in Central Extension in the College of Agriculture at the time of his retirement in 1951, died Dec. 6, 1981, at age 94. He had joined the University in 1948.

Emma A. Benson, a janitress with Housing and Food Services from 1949 to 1963, died May 25. She was 79.

Joseph A. Merrill, an expeditor with the Office of Physical Plant, died May 27 at age 52. He had been employed by the University since 1966.

Henry S. Summers, a relief man with Housing and Food Services from 1956 to 1968, died May 15. He was 79.

John F. Malakoski, a utility worker at the Hershey Medical Center from 1967 to 1977, died May 20 at age 66.

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Diane M. Lisko, Editorial Assistant
Calendar Editor - 865-2501

Senate

(Continued from page 1)

architecture, engineering, nursing and landscape architecture — in addition to medicine.

Turning to the University's annual appropriation, the President said that he was hopeful that the budget would be passed in time for submission to the Board of Trustees at their July 9 and 10 meeting. If this occurs, salary increments will appear on the August paychecks.

The Senate then considered a series of year-end reports issued by its Standing Committees. Legislative actions included:

- Modifying the *Standing Rules* to allow the establishment of a Standing Committee on Computers and Information Systems. The committee will be advisory to the soon-to-be-appointed Director of Computer and Information Systems.

- Accepting a report on Policy Guidelines for Extended Degree Programs presented by the Committee on Commonwealth Campuses/Continuing Education. The report had been sent to the committee by the Provost.

- Accepting a report on Course Drop procedures, necessitated by the conversion to an early semester calendar.

Students currently may drop courses during the first 21 calendar days of a term. From the 22nd day to the last day of the eighth week, "W/P", "W/F" or "WN" symbols are entered on their records. Under the semester system, students may drop a course during the first 21 calendar days. Beginning with the 22nd day and ending on the last day of the 10th week, a symbol will be entered on their records. No student may drop a course after the 10th week. Baccalaureate degree candidates may drop no more than 10 credits; associate degree candidates, a maximum of six.

Senators also heard a number of oral informational reports:

- Admissions Dean Donald Dickson described the recommendations of the Provost's Admissions Review Committee. (See article on page 6.)

- The Curricular Affairs Committee reported that since March 31 members have considered 2,819 course proposals, most of them received on or about the April 23 deadline.

- The annual Libraries report, presented by Thomas Smyth, professor of entomology, commended the University administration for giving priority to meeting the Libraries' needs but pointed

out that facilities expansion is becoming critical at Pattee. University Park branch libraries and at some campuses.

- Faculty Rights and Responsibilities reiterated the doctrine of "Let there be no surprises," propounded by past chairman Philip Klein. The committee received six communications last year.

- Richard L. McCarl, professor of biochemistry, reported on his experiences as a member of the Provost's Advisory Committee on Budget and Planning.

Assuring his listeners that the administrators on the committee do indeed pay attention to the advice from the faculty members, Dr. McCarl said that in his view the University is making a real effort to support need and quality. His final impressions, he said, are that "Penn State is blessed with top notch leaders. The 21 unit heads who report to the Provost are fine leaders, administrators, hard workers. It is clear to me they can plan for the future. . . ." He added: "The Advisory Committee decisions are the result of a general consensus of the committee. Not that there is complete agreement, but there is a general consensus on the programs and units which secure high priorities for support."

Calendar report

Because the use of an eight-period day in the semester calendar is too tight a fit in general classrooms, the Calendar Conversion Council is exploring options to create a ninth period. A nine-period day is the arithmetical equivalent in the semester of the current six-period day.

Council, at its May 26 meeting, received a preliminary report from its Facilities/Faculty/Project Match Committee showing a projected 84 percent utilization of 274 general purpose classrooms under scheduling control of the Registrar for the 1983 Fall Semester. Actual utilization in Fall Term 1981 was 66 percent.

The R/FIP Committee noted that the projection did not include special topics courses and that courses scheduled "By Appt" may eventually need space. It also expressed concern that there is little room for expansion to accommodate such situations as the last minute addition of sections; that there is no room for non-instructional purposes such as faculty meetings, and that many faculty members do not have first-choice rooms.

It was reported that adding an additional period to the class day would reduce the utilization figure to 75 percent, an acceptable level. Other options discussed included creating a Tuesday-Thursday-Saturday space and the possibility of greater use of space not under control of the Registrar. It was determined, however, that these alone will not be sufficient.

It was recommended that a system be devised to insure faculty and student input into the decision-making.

Members of the Faculty Committee for Semester Review attended the meeting to express their concerns. Representing the group were Barry L. Meyers, associate professor of business law; James Eisenstein, professor of political science; Richard H. Herman, professor of mathematics; and Warren T. Morrill, professor of anthropology.

Professor Myers told the Council that "evidence abounds that there are serious flaws in the semester plan. The Calendar Council must use the research tools available to determine its impact on the University. You need to look closely into the impact the conversion is having and will have."

According to Dr. Eisenstein, the Council needs to look at "a handful of critical questions that haven't been answered." Included, he said, were: What is the cost of the conversion? What will happen to class size? Have all faculty members been informed of their teaching loads? Has the library received the additional resources it says it needs?

Calendar Council Chairman James B. Bartoo told the group that the Council has been aware of these problems and is dedicated to finding rational solutions.

"You and I have a responsibility for keeping the level of anxiety down and not inflaming the matter," Dr. Bartoo said. "We do need help in making a successful conversion, and I hope from our discussion we can gain some insight in making the conversion that we are charged to make. I'm confident we will have fewer problems than other universities, partly because we've had a little more time," Dr. Bartoo added.

In other business, Council:

- Received a recommendation from its Communications Committee that the concept of Super Summer is not viable and should be dropped. The Committee recommended that colleges should be encouraged, if appropriate, to offer course activities to meet student needs.

- Referred to its Steering Committee a proposal from University Council on the use of recently retired faculty members as a special core of advisors during the transition period.

Received an outline of contents for the "Semester Transition Handbook" and heard plans for the summer issue of the "Semester Newsletter."

PSU faculty development programs hailed

(Continued from page 1)

for its total effort in all five projects rather than any single project.

The College of Business Administration, led by Dean Eugene J. Kelley, administers a Summer Research Faculty Fellowship Program, and this year is beginning a Course Improvement Summer Fellowship Program and Executive Education Faculty Fellowship Program.

The Summer Research Faculty Fellowship provides participating faculty members with a supplement of one-ninth of their annual salary, travel funds, a corporate associates program, publication and editorial assistance and workshops on promotion and tenure.

The Course Improvement Summer Fellowship offers a supplement to the annual salary, workshops, a corporate associates program and editorial assistance for instructional innovation and curriculum development.

The Executive Education Faculty Fellowship is aimed at strengthening research and instruction in executive education and development. The program offers faculty members a summer salary supplement, workshops, travel funds and editorial assistance.

The College of Earth and Mineral Sciences, led by Dean Charles L. Hosler Jr., utilizes money from trust funds to provide two outstanding teaching awards of \$1,000 each year and funds for moving expenses, travel to professional meetings, publication costs and minor equipment needs.

The College of the Liberal Arts' Trident Plan, administered by Dean Stanley F. Paulson, encourages young faculty members to teach and do research beyond their own disciplines, and encourages cooperation among academic disciplines in scholarly work and research. The plan also encourages faculty members to meet teaching needs in related programs of high student demand and provides partial reimbursement to their academic departments as an incentive for their Trident participation.

In several months, the Academy for Educational Development will publish an "idea handbook" describing the award-winning programs of each of the 10 schools, along with 100 other noteworthy approaches being taken by higher education institutions.

The Atlantic Richfield Foundation provided funds for the Academy's survey of the programs, the awards and the handbook.

The judges for the project were Alvin C. Eulich, president, Academy for

Educational Development; Robert Gale, president, Association of Governing Boards of Universities and Colleges; Gladys Hardy, program officer in charge, Education and Cultural Affairs, the Ford Foundation; T. Harry McKinney, professor, College and University Administration Programs, Michigan State University; Jack Peltsou, president, American Council on Education; Ruth Weintraub, senior vice president, Academy for Educational Development.

The Academy for Educational Development, a nonprofit international planning and research organization, was founded in 1961 to help colleges and universities solve some of their long-range educational, administrative and financial problems.

Participants sought for conditioning program

Don Nichter, instructor in physical education, is recruiting sedentary men ages 35-55 for participation in a 10-week aerobic conditioning program beginning in June. Any physically untrained male not participating in a regular exercise program at this time is eligible.

The program will include moderate walking and jogging to improve cardio-respiratory fitness, along with flexibility exercises. Exercise sessions will be held three days a week on an alternating day basis. Sessions will last about one hour and will be held in the late afternoon or early evening at Recreation Building.

Mr. Nichter can be reached by telephoning 865-5402 (Intramural Office) from 8 a.m. to 4 p.m.

Fleet Operations lists new numbers

In an effort to better serve the University community, Fleet Operations has revised its telephone listings for more direct and accurate service. The following are the new numbers for the areas listed:

Vehicle & Driver Reservations . . . 865-7571
Vehicle Service & Maintenance . . . 865-7572
Billing & General Fleet Information . . . 863-0164

Using these numbers for the areas listed will connect the caller directly with the individual responsible for handling items in that area.

Dixon

(Continued from page 1)

The second misconception is the belief of some faculty members and administrators that the Senate, as an instrument of the faculty, and the administration must consistently distrust each other's motives.

"Such an attitude can only lead to a significant decrease in the stature of the University," Dr. Dixon suggested, adding that, in too many instances, conflict occurs because administrators make decisions without consulting with the appropriate Senate unit or the Senate attempts to generate legislation without consulting with the President, Provost, or other appropriate administrator.

"Full consultation must be a two-way street at all times," he continued. When disagreements occur, however, "the Senate and its officers must hold to their position and make it known to the academic community. An adversarial position is at times inevitable and at times desirable."

"The University exists for teaching and scholarly activity," Dr. Dixon continued, "and the notion that any allocation of University resources does not impinge on this is at best incorrect."

The final misperception, in Dr. Dixon's view, is of the Senate as a totally ineffective faculty organization with no real power — "the last refuge of the incompetent."

"The officers know the weaknesses and problems of the Senate," Dr. Dixon said. "But while it is often frustrating, it is still a vital, active, productive and critical element of the University."

"We have no other forum for all faculty to meet and debate," Dr. Dixon pointed out. "Let me ask the skeptics and malingerers what Penn State would be like without the Senate."

"We provide the critical checks and balances. The President, the Provost and the vice presidents are made aware of faculty concerns through us and have a responsibility to consult with us."

"The administration cannot ignore the Senate and survive so long as we, the Senate, act responsibly as citizens of the whole University."

Pattee summer hours

Summer hours for Pattee and branch libraries, effective from June 9 through Aug. 20, are: Sunday, 1-10 p.m.; Monday-Thursday, 7:45 a.m. - 10 p.m.; Friday, 7:45 a.m. - 9 p.m.; and Saturday, 7:45 a.m. - 5 p.m.

University Park Calendar

Summer Term 1982



Thursday, June 10
Drop/add without \$6.00 fee (ten week Summer Term), through June 15.

Tours of Pattee Library, 9 and 11 a.m.; 1 and 3 p.m. Branch libraries, 10 a.m.; undergraduates, 2 p.m.; graduates.

HUB Craft Centre, registration for first session craft classes, noon-5 p.m., through June 13; Open House, 7:30-9:30 p.m., Room 312 HUB.

Friday, June 11
Commonsplace Theatre, *Airplane*, 7 p.m.; *Hair*, 9 p.m., Room 112 Kern. Also June 13.

Saturday, June 12
France-Cinema, Truffaut, *Small Change*, 7 and 9 p.m., Room 112 Kern. Also June 14.

Sunday, June 13
HUB Craft Centre, first session craft classes begin, Room 312 HUB.

Week of June 14

Tuesday, June 15
GSA Explazaganza film, *The Hustler*, dusk, Fisher Plaza.

Friday, June 18
Late registration deadline (ten week Summer Term).

Add deadline (ten week Summer Term). Commonsplace Theatre, *An American Werewolf in London*, 7 p.m.; *Time Bandits*, 9 p.m., Room 112 Kern. Also June 20.

Saturday, June 19
France-Cinema, Fellini, *Amarcord*, 7 and 9 p.m., Room 112 Kern. Also June 21.

Week of June 21

Monday, June 21
Deadline for August graduates to pay these fees at Bursar's Office and to activate diploma cards in Records Office.

Tuesday, June 22
Registration for eight week Summer Term. Tours of Pattee Library (eight week Summer Term), 10 a.m. and 2 p.m., through June 24. Evening tour, 7 p.m., June 23 only. Branch libraries, 10 a.m.-undergraduates; 2 p.m.-graduates, through June 24.

GSA Explazaganza film, *The Time Machine*, dusk, Fisher Plaza.

Wednesday, June 23
Eight week Summer Term classes begin, 8 a.m. Drop/add without \$6.00 fee (eight week Summer Term), through June 29.

Thursday, June 24
Festival Theatre, Lindsey and Crouse, *Life with Father*, 8 p.m., The Pavilion Theatre. Also June 25-27, June 29-July 4 and July 6-11. Sunday performances at 7:30 p.m.

Friday, June 25
Pass/Fail (ten week Summer Term), through June 29. Commonsplace Theatre, *La Cage Aux Folles II*, 7 p.m.; *The French Lieutenant's Woman*, 9 p.m., Room 112 Kern. Also June 27.

Saturday, June 26
France-Cinema, Brustali, *Bread and Chocolate*, 7 and 9 p.m., Room 112 Kern. Also June 28.

Week of June 28

Monday, June 28
Penn State Scholars Program, first session. Also June 29.

Tuesday, June 29
Course drop deadline for ten week Summer Term. GSA Explazaganza film, Warner Brothers cartoons, dusk, Fisher Plaza.

Wednesday, June 30
Late registration deadline (eight week Summer Term).

Add deadline (eight week Summer Term). Penn State Scholars Program, second session. Also July 1. Commonsplace Theatre, *The Graduate*, 7 p.m., Room 112 Kern. Also July 1.

Thursday, July 1
Festival Theatre, Rodgers and Hart, *Babes in Arms*, 8 p.m., The Playhouse. Also July 24, 6-11 and 13-18. Sunday performances at 7:30 p.m.

Saturday, July 3
Deadline for August graduates to deliver doctoral theses to committees.

Week of July 5

Monday, July 5

Independence Day observed (no classes).

Tuesday, July 6

16th Annual Central Pennsylvania Festival of the Arts (CPFA) festival preview, gallery tours, 8 p.m.; opening performances and ceremonies, 7 p.m., Old Main Lawn. Gallery exhibitions, open all week.

Wednesday, July 7

Pre-registration deadline for Fall Term 1982. CPFA, Young People's Day, sidewalk artists and performers, 10 a.m.-5 p.m.; performing arts features in the evening.

Thursday, July 8

Pass/Fail (eight week Summer Term), through July 12.

HUB Craft Centre, registration for second session craft classes, noon-5 p.m., through July 18.

CPFA, annual sidewalk sale and exhibitions, noon-8 p.m.; performing arts features, daily and in the evening.

Friday, July 9

Board of Trustees meeting, Beaver Campus. Also July 10.

CPFA, annual sidewalk sale and exhibitions, 9 a.m.-8 p.m.; performing arts features, daily and in the evening.

Commonsplace Theatre, *Arthur*, 7 p.m.; *For Your Eyes Only*, 9 p.m., Room 112 Kern. Also July 11.

Artists Series, Roy Clark, country singer, 7 and 9:30 p.m., Eisenhower Auditorium. Information: 863-0255.

Saturday, July 10

Deadline for August graduates to take final oral doctoral examinations and to deliver master's theses or papers to advisers.

Alumni Association, Alumni Vacation College, "Personal Perspectives," through July 17. Information: 865-6516.

CPFA, annual sidewalk sale and exhibitions, 9 a.m.-8 p.m.; performing arts features, daily and in the evening.

France-Cinema, Bergman, *The Magic Flute*, 7 and 9 p.m., Room 112 Kern. Also July 12.

Sunday, July 11

CPFA, annual sidewalk sale and exhibitions, 10 a.m.-7 p.m.; performing arts features, daily and in the evening.

Week of July 12

Monday, July 12

Course drop deadline for eight week Summer Term.

Deadline for August graduates to submit camera-ready thesis manuscripts to Thesis Office.

Materials Research at Penn State Day.

Tuesday, July 13

GSA Explazaganza film, *The Taming of the Shrew*, dusk, Fisher Plaza.

Thursday, July 15

HUB Craft Centre, Open House, 7:30 p.m.-9:30 p.m., Room 312 HUB.

Fred Waring Music Workshop Youth Choral Concert, 8 p.m., Schwab. Also July 16.

Friday, July 16

Commonsplace Theatre, Dr. Strangelove, 7 p.m.; *Animal House*, 9 p.m., Room 112 Kern. Also July 18.

Saturday, July 17

France-Cinema, Beresford, *Breaker Morant*, 7 and 9 p.m., Room 112 Kern. Also July 19.

Sunday, July 18

HUB Craft Centre, second session craft classes begin.

Week of July 19

Tuesday, July 20

GSA Explazaganza film, *All About Eve*, dusk, Fisher Plaza.

Thursday, July 22

Festival Theatre, Hugh Leonard, Du, 8 p.m., The Pavilion Theatre. Also July 23-25, July 27-August 1, August 3-8, Sunday performances at 7:30 p.m.

Friday, July 23

Commonsplace Theatre, *Easy Rider*, 7 p.m.; *Close Encounters of the Third Kind*, 9 p.m., Room 112 Kern. Also July 25.

Saturday, July 24

France-Cinema, Clouzot, *Diabolique* and Truffaut, *Shoot the Piano Player*, 7 and 9 p.m., Room 112 Kern. Also July 26.

Week of July 26

Monday, July 26

Deadline for August graduates to deliver theses to Graduate School and for departments to certify to Graduate School completion of required papers for August graduates.

First day to sign Fall Term NDLS and University Long Term Loans, Room 108 Shields.

Tuesday, July 27

GSA Explazaganza film, *Head with The Monkeys*, dusk, Fisher Plaza.

Thursday, July 29

Festival Theatre, Rodgers and Hammerstein, *South Pacific*, 8 p.m., The Playhouse. Also July 30-August 1, August 3-8 and August 10-15. Sunday performances at 7:30 p.m.

Friday, July 30

"Spend A Summer Day" Program.

Saturday, July 31

France-Cinema, Buzuel, *Viridiana*, 7 and 9 p.m., Room 112 Kern. Also August 2.

Week of August 2

Monday, August 2

Deadline for prospective graduate students to submit completed application materials for admission to the Fall Term 1982. Deadline for graduate students to apply for permission to resume study in the Fall Term 1982.

Tuesday, August 3

Red Cross Bloodmobile, 10 a.m.-4 p.m., HUB Ballroom. GSA Explazaganza film, *In the Heat of the Night*, dusk, Fisher Plaza.

Wednesday, August 4

Late drop deadline (ten week Summer Term).

Thursday, August 5

Last day to sign Summer Term NDLS and University Long Term Loans, Room 108 Shields.

Fred Waring Music Workshop Youth Choral Concert, 8 p.m., Schwab. Also August 6.

Friday, August 6

"Spend A Summer Day" Program. Commonsplace Theatre, *Everything You Always Wanted to Know About Sex*, 7 p.m.; *Stripes*, 9 p.m., Room 112 Kern. Also August 8.

Saturday, August 7

France-Cinema, Wertmuller, *Sweet Away*, 7 and 9 p.m., Room 112 Kern. Also August 9.

Week of August 9

Monday, August 9

Late drop deadline (eight week Summer Term).

Tuesday, August 10

GSA Explazaganza film, *Some Like It Hot*, dusk, Fisher Plaza.

Friday, August 13

"Spend A Summer Day" Program. Deadline to submit petitions to Records Office to graduate in absentia in August. Commonsplace Theatre, *Private Benjamin*, 7 p.m.; *The Last Waltz*, 9 p.m., Room 112 Kern. Also August 15.

Saturday, August 14

France-Cinema, Truffaut, *The Man Who Loved Women*, 7 and 9 p.m., Room 112 Kern. Also August 16.

Week of August 16

Monday, August 16

Early registration for Fall Term 1982, through August 20.

Wednesday, August 18

Ten week and eight week Summer Term classes end, 9:55 p.m.

Last day to sign Summer Term Emergency Loans, Room 108 Shields.

Thursday, August 19

Final examinations, through Saturday, August 21.

Friday, August 20

"Spend A Summer Day" Program.

Sunday, August 22

Residence Halls close for Summer Term, 3 p.m.

Week of August 23

Tuesday, August 24

Ag. Progress Days, 9 a.m.-5 p.m., Rock Springs.

Wednesday, August 25

Ag. Progress Days, 9 a.m.-7 p.m., Rock Springs.

Thursday, August 26

Ag. Progress Days, 9 a.m.-5 p.m., Rock Springs.

Saturday, August 28

Summer Term Commencement, 10:30 a.m., Recreation Building.

Exhibits

Chambers Gallery

Gallery hours: 9 a.m. to 5 p.m.-weekdays. Scott Meyer and Brent Wilson, ceramics, through June 27.

CPFA Children's Art Exhibition, July 1-23. Philip Sauerlender, printmaker, July 27-August 29.

Kern Gallery

Gallery Hours: Monday through Saturday, 8 a.m.-11 p.m.; Sunday, noon-11 p.m. Bridget D'Leary, pressed flowers, through June 25.

Robin Riker, ceramic sculpture, through June 28.

State College Weaver's Guild, rug exhibition, through June 28.

Lois J. Gardner, paintings on paper, through June 25.

CPFA Weiss photography exhibition, July 6-28. Joel Wines, photography, August 2-20.

Museum of Art

Museum hours: 11 a.m.-4:30 p.m. Closed Mondays, Tours, Sundays, 1:30 p.m.-5 p.m. Special hours during CPFA, July 8-10, 11 a.m.-8 p.m.

Sculpture and sculptural objects from the Museum's collection, through June 20.

Medals and sculpture by Dora de Pedery-Hunt, through July 11.

Selections from the Museum's collection, June 13-August 22.

CPFA juried crafts, July 6-September 12. CPFA Painters of Central Pennsylvania

Invitational, July 6-September 12.

Patties Library

East Corridor Lobby: Photographic documentary, "A Good Day's Catch," commercial fishing in Erie, through June 24.

Susan Nusbaum, paintings, June 24-July 13. Literary Expressionism and German Political and Commercial Posters, July 17-August 12.

Tom Hubben and Barbara DeWilde, paintings, August 12-September 6.

Lending Services Lobby:

Beth Rombold, paintings, through June 24. Paul Flexner, recent work, June 24-July 16.

Andrea Benson, recent work, July 16-August 7. Susan Stewart, watercolors, August

7-September 6.

Richard Sidoroff, photographs, September 6-28. 2nd Floor, East Patties:

Jo Ward, ceramic objects, "Glazed and Flamed," through June 24.

Mary Cady Rubinstein, woodcuts, "The Book of Job," June 24-July 21.

Mushroom Reference Collection of Professor emeritus Leon Kneebone, July 22-August 10.

Betty Ayers, prints, August 10-September 14. Rare Books Room:

Pennsylvania-German imprints from the Amnon Stapleton Collection, June 21-July 16.

World's Fairs, July 21-August 4.

Mushrooms in art and history. An exhibit in honor of the meetings of the American

Institute of Biological Sciences, August 6-20.

Visual Arts Zoller Gallery

Gallery hours: 9 a.m. to 5 p.m.-weekdays. David Freund, paintings, through June 13.

Terry Johnson, ceramics, and James Weigle, prints, June 16-June 27. Opening reception, 5 p.m., June 18.

Theatre production in conjunction with CPFA, July 1-28.

Charles Hollingsworth, paintings, and Karen Shlomberg, ceramics, August 1-15.

Tim Hewes Memorial Painting Show, August 18-September 5.



From the Trustee Docket

Two new members, five incumbents elected

Two new members have been elected, and five incumbents re-elected, to the Board of Trustees. All will serve three-year terms.

The new members are D. Eugene Gayman of Chambersburg, a dairy farmer and vice president of the Pennsylvania Farmers Association, and Kenneth L. Holderman of State College, vice president emeritus for Commonwealth Campuses at Penn State.

Mr. Gayman was elected by county agricultural society delegates. Mr. Holderman was elected by University Alumni. Alumni of Penn State also re-elected two members of the Board. They are Mimi Barash Coppensmith of State College, president of Barash Advertising and Morgan Signs and publisher of *Town & Gown* magazine, and Edward R. Book of Hershey, chairman and chief executive officer of the Hershey Entertainment & Resort Company.

Agricultural society delegates re-elected Obie Snider of Imber, co-owner of Singing Brook Farms, a 1,031-acre crop and dairy farm in northern Bedford County.

Delegates from Pennsylvania industrial societies re-elected two trustees: Stanley G. Schaffer of Pittsburgh, president of Duquesne Light Company, and Quentin E. Wood of Oil City, president and chief executive officer of Quaker State Oil Refining Corporation.

Mr. Gayman has served as vice president of the Pennsylvania Farmers Association since 1976. The PFA is a voluntary general farm organization that provides services, information and representation in public affairs to farmers.

He is a member of the Eastern Milk Producers Cooperative and in 1978 was named its Member of the Year. From 1963 to 1981, he served on the Chambersburg Area School Board, and he has been a member of the Franklin County Vo-Tech Operating Committee. He represents the PFA on the Water Resources Policy Advisory Committee to the state Department of Environmental Resources.

Mr. Holderman has served two previous terms as a Penn State trustee. He retired from the University in 1974 after more than 30 years of service. In 1973 he received the John E. Wilkinson Award for Administrative Excellence. In 1974, he received the McKay Donkin Award for his outstanding contributions to the Commonwealth Campuses.

Ms. Coppensmith was elected to the Board in 1976 and re-elected in 1979. She is trustee representative to, and president of, the Renaissance Fund.

Last year she was named Pennsylvania's Businessperson of 1981 by the U.S. Small Business Administration. She has been honored by the National Governor's Association as one of six outstanding citizens significantly contributing to government and by the Philadelphia Chamber of Commerce as a Distinguished Pennsylvanian.

She serves on the Pennsylvania Commission for Women and holds many board memberships.

Mr. Book joined the Hershey organization in 1969 and held several executive positions before being named to his present post in 1980. He became a member of the Board of Trustees in 1977. This year, he was elected its vice president.

He has served as president of the Chamber of Commerce of the Greater Harrisburg Area and chairman of the Pennsylvania Travel Industry Advisory Council.

Among other civic activities, he is president of the Tri County United Way, national chairman of the Travel Industry Association of America and a member of the Executive Board of the Keystone Area Council, Boy Scouts of America.

Mr. Snider is president of the Pennsylvania Dairy and Allied Industries

Association. He served as director of the Holstein Friesian Association of America from 1968 to 1975 and has been chairman of its executive committee.

In 1960 he received the Pennsylvania Master Farmer Award, and in 1969, he was named Pennsylvania Jaycee Outstanding Young Farmer. In 1977 he was named "Dairyman of the Year" by the Pennsylvania Dairyman's Association. He was first elected to the Board in 1979.

Mr. Schaffer is a registered professional engineer in Pennsylvania and a fellow of the American Society of Mechanical Engineers. He is a member of the Air Pollution Control Association, the American Nuclear Society and the International Platform Association.

In 1972 he received Penn State's Distinguished Alumnus Award, and he has been active in alumni affairs. Mr. Schaffer was first elected to the Board in 1976. He was re-elected in 1979.

Mr. Wood was president of the Board from 1979-81 and has served as a trustee since 1976. He has held directorships of the American Petroleum Institute, the National Petroleum Refiners Association, the Pennsylvania Grade Crude Oil Association, the Ohio Oil and Gas Association and the Northwest Pennsylvania Bank and Trust Co. of Oil City.

He also is past president of the Bradford District Pennsylvania Oil Producers Association and past chairman of the Technical Advisory Committee for Penn State's Department of Petroleum Engineering.

Modifications announced in admissions policies

Several admissions procedures at the University are being modified to preserve Penn State's "delicate balance of diversity and unity."

In a report to the Trustees, Provost Eddy described the revisions, made on the recommendation of the Provost's Admissions Review Committee. That committee, established at the request of President Oswald, was chaired by Admissions Dean Donald G. Dickson.

Its recommendations were submitted for review to the Council of Academic Deans, the University Faculty Senate Committee on Admissions, advisors to Dr. Oswald and other groups.

The modifications to admissions policies were being recommended, the committee said, to allow colleges and campuses at Penn State to plan more effectively and better match their resources to students' needs.

With the revisions, "Strategic decisions about programs and departments will become more a matter of action than response and more a matter of early anticipation than belated accommodation," Dr. Eddy told the Trustees.

Until 1978, the committee noted, the University established upper limits on the number of freshmen admitted to particular colleges at University Park. Those limits, however, did not apply to other campuses. As a result, academic abilities of students in the various colleges often varied greatly.

Since 1978, admission has been based on students' high school records and standardized test scores, with little regard for the choice of college. The University has, however, limited overall enrollment at University Park.

That approach came under review after it became apparent that sharply increased student interest in professional programs such as engineering and business would "tip the balance of nature" at Penn State and especially at University Park, the committee said.

Basically, the committee recommended the following modifications in admissions procedures:

— New students will be admitted principally on the basis of qualifications for particular programs. While minimum University-wide standards will continue to be established by the Faculty Senate, the standards for admission to a particular college or location may exceed the University minimum.

Exceptions to the University-wide admissions standard may be allowed for programs, such as the Educational Opportunity Program, which have been approved by the Faculty Senate.

— A range of undergraduate enrollment figures will be established for each college and campus, based on their needs and capacities.

— A special designation will be assigned freshmen who meet the University's general admissions criteria, now a 2.0 predicted grade-point average, but fall short of the predicted grade-point average required by the college they wish to enter.

Those students, designated as "pre-X college" or "pre-professional," will be given special counseling through the college and Penn State's Division of Undergraduate Studies.

Students will either be admitted directly to a college as freshmen or assigned — for up to two years — to the pre-X college status. The decision will be based upon high school records and predicted grade-point average.

The University will establish criteria to determine the eligibility of pre-X college students — at the end of the sixth term of fourth semester — for admission to a particular college and major.

— Penn State reaffirms its commitment to enhanced admissions opportunities for under-represented groups, especially racial and ethnic minorities.

— The University will begin a phased reduction of undergraduate enrollment at University Park to 32,500 students. Enrollment at that campus in recent years has begun to exceed academic and physical capacities.

— The Office of Admissions will add student performance in high school honors courses and rank in class to criteria now used in evaluating applicants' high school records.

— While remaining committed to serving Pennsylvania high school graduates, the University will continue to seek increasing numbers of undergraduates from other states.

Currently, Penn State serves about 14 percent of the graduates of Pennsylvania high schools. Although that percentage will stay the same, the number of high school graduates in the state will decline by about 20 percent between 1981 and 1986. Out-of-state students, the committee noted, can bring in some of the resources necessary to maintain the quality of Penn State's programs for all.

Admissions standards for out-of-state students will continue to be at least as stringent as those for in-state students.

Recreation and Parks associate degree ended

The associate degree program in recreation and parks will be discontinued, effective with the 1983 Fall Term.

Recreation and parks faculty members voted to drop the program because of changes in the profession and in the associate degree program, Provost Eddy explained.

"This decision reflects, in part, the fact that the original intent of the program is no longer workable. The program was established to train inner-city youths to work in entry-level positions in the recreation and parks field. Few opportunities now exist for such graduates," Dr. Eddy said.

There will be no new admissions to the program. Currently enrolled students at the New Kensington and Ogontz campuses will be allowed to complete their curricula.

Interim budget for next year adopted

An interim maintenance and operating budget, continuing at the current level, for the fiscal year beginning July 1 was approved by the Board.

"It is necessary to have an approved fiscal operating plan by July 1," President Oswald explained. "Because the state appropriation for 1982-83 is still pending, it is recommended that no action be taken at this time on changes in tuition, salaries and wages; staff benefits or other necessary expense increases."

"A final budget will be submitted when the state appropriation is clarified."

The interim budget was approved at the level of the adjusted 1981-82 budget — approximately \$504 million for all divisions of the University, including the Milton S. Hershey Medical Center and all auxiliary enterprises.

King of Prussia Center to open new offices

The University's King of Prussia Center, Graduate Studies and Continuing Education will open new offices around July 1 at 650 South Henderson Road, King of Prussia.

The University will simultaneously close operations at the Roland Elementary School Building in Radnor, where the center had been renting offices since 1978. The building has been sold.

The new offices will be in the Gulph Elementary School building, which is being vacated by the Upper Merion School District.

The King of Prussia Center will continue to offer a variety of graduate degree programs and continuing education activities. The new location will house the center's faculty, administrative staff, library, computer lab and computer-related and some other courses.

All other classes offered through the center will continue to be held at locations throughout the region. These include the Burroughes Corporation Building in Radnor, the Downingtown Senior High School, the Elwyn Institute in Media, Ford Aerospace in Lansdale, the General Electric Space Center in Valley Forge, Lukens Steel in Coatesville, the Naval Air Development Center in Warminster and the Upper Merion High School in King of Prussia.

Land purchase okayed

The Trustees authorized purchase of approximately 1.7 acres of land and a warehouse on it, adjoining the Shenango Valley Campus in Sharon. The purchase, not to exceed \$75,000, would be made possible with funds provided through the Campus's Advisory Board.

"Purchase of the property would make land available to the University for any future expansion of the campus," explained Ralph E. Zilly, vice president for business. "It would also ensure that the land is not used in a way that would detract from the campus and the adjacent neighborhood."

The land, currently owned by Golden Dawn Foods, Inc., is across Penn Avenue from the campus.

Capitol plans approved

Sketch plans for the proposed Science and Technology Building at the Capitol Campus were approved by the Trustees.

The sketches were submitted to the Board by the architectural firm of Hayes, Large, Suckling and Fruth.

The building, expected to cost approximately \$1.7 million, will include laboratories for chemistry, physics, water resources, life sciences, computation, energy and materials/geology, plus classrooms, seminar rooms and an auditorium.

Peking professor finds many changes since 1955

"Penn State graduates are everywhere in the world."

So reads a translation of the ancient Chinese script on a special scroll presented to President Oswald by Dr. Lien-Yueh Tu, a recipient of a 1952 Penn State Ph.D. in physics who resides in the People's Republic of China.

Dr. Tu, professor and head of the acoustics division in the Radio-Electronics Department at Peking University, is visiting the University this spring at the invitation of President Oswald. The two educators met in 1974 when Dr. Oswald headed a Penn State delegation on a visit to China.

"In my official capacity, it gives me great pleasure and honor to welcome a distinguished alumnus back to his alma mater," says Dr. Oswald. "And personally, it gives me even greater pleasure to welcome a friend made during a most enjoyable trip to China."

"It's good to be here again," says Dr. Tu, who presented the scroll to President Oswald shortly after his April 19 arrival. Dr. Tu, on his first visit to Penn State since leaving in 1955, will stay until the end of June.

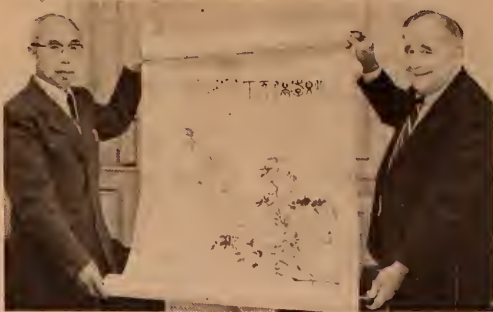
The scroll, Dr. Tu explains, is a "token to express my esteem and gratitude to my alma mater, Penn State. I am grateful to the University for my education and training."

He explains that according to Chinese custom, the plum and peach trees depicted on the scroll represent disciples or students — in this case, graduates of Penn State.

"When President Oswald came to Peking, I was the only Penn State alumnus he could locate," recalls Dr. Tu of their first meeting. "China at the time was in the Gang of Four political situation, so it was difficult for me to meet the Penn State delegation, but luckily, we were able to get together."

Dr. Tu came to Penn State in 1948 as a research assistant. After receiving his Ph.D. in physics in 1952, he stayed until 1955 working in the Department of Engineering Mechanics. He then returned to China.

The most noticeable difference between Penn State then and now, he says, is one



Dr. Lien-Yueh Tu presents President Oswald with a scroll that says, "Penn State graduates are everywhere in the world."

of size.

"I was quite surprised to see how much the University has grown. Peking University is one of the key universities in China and also one of the largest, but still, it has only between 7,000 and 8,000 students."

Peking University, he says, has very high entrance standards and is one of the most difficult of Chinese universities to get into.

"One of our biggest problems in China is that we do not have enough university space to accommodate all the high school graduates who wish to attend college."

"Also," he continues, "a major defect in the Chinese system of higher education is that until a few years ago, students could not fail college once they were accepted. After they passed the entrance exams, they could stay in college until they eventually passed all their courses and were graduated. And, after graduation, a job was found for them by the government."

To remedy this, he notes that the system is changing — now, if a student fails a major course, he or she may take it only one more time. If they fail a second time, they are "honorably dismissed" from the university.

Peking University operates on a semester calendar, with two 20-week semesters, a two-to-three week winter vacation (timed to include the Chinese New Year) and a two-month summer vacation.

Peking University has 18 departments, ranging from the sciences to the liberal arts, but does not group the departments into colleges.

"After the Revolution, the Chinese system of higher education was based on the Soviet model," he notes. "After the Cultural Revolution, however, the trend became one of basing the system more on the American model."

As a result, the first Chinese graduates to receive bachelor's degrees are those of this year — in the past, they simply received certificates noting that they had attended the university. In addition, master's degree and Ph.D. programs are being established, although they have not as yet produced Ph.D. graduates.

"The Cultural Revolution greatly disrupted university life, and China is only now beginning to recover," says Dr. Tu, who during the Cultural Revolution worked on a farm.

"All university activities came to a halt — there was no research, no teaching. We

are now moving to catch up."

Dr. Tu's research focuses on applied acoustics, and especially ultra-sonics, to use it as a means for making acoustic measurements and testing. For example, he is studying how to use sound waves to measure the liquid flow inside a pipe.

While at Penn State, he will be visiting acoustics laboratories and noting what research is being carried out. He also will visit the acoustics programs at Harvard University and the Massachusetts Institute of Technology before leaving for China.

"Technology in China is perhaps five to 10 years behind that of the West," says Dr. Tu, "largely because of the damage done during the Cultural Revolution."

"Our main problem now is that there are far too few scientists. Education is all the more important, which is why we need to expand the universities."

In addition, Chinese institutions are turning to technology to help with education. As an example, television courses are now being offered.

Technology, of course, is being imported from the West, and Dr. Tu hopes that Chinese and American relations will continue to improve.

"The different political and social systems of China and the United States do not affect the goodwill that exists between the peoples of the two nations," Dr. Tu says. "Most Chinese feel good about America, and most Americans I've talked to seem to feel good about China."

Dr. Tu does observe, however, that cool relations between China and the Soviet Union are unlikely to change in the near future.

"There is a much greater fear in China of the Soviet Union than there is of the West," he says, noting the large military force the USSR has massed along the Sino-Soviet border.

Before leaving the United States, Dr. Tu will visit friends in Pittsburgh, Ohio and Connecticut — all Penn Stateers he met while earning his degree.

"I love Penn State and will always remember the education I got here — I'd love to come back again someday."

Penn State, says President Oswald, hopes that he will.

Deans

(Continued from page 1)

history and literature. In 1962, he was named acting chairman of Oakland's music department and associate dean for student life.

Two years later, he was promoted to executive director of the University Center for Adult Education, sponsored by the University of Michigan, Wayne State University and Eastern Michigan University. He also served as professor of musicology at Western Michigan University.

Dr. Holmes is a former member of the Steering Committee of the International Council of Fine Arts Deans. He was general chairman of the First Michigan Congress on the Arts; vice chairman, Michigan Council for the Arts; president, Board of Trustees, Kalamazoo Civic Auditorium; and chairman, Board of Directors, Fine Arts Section, Michigan Academy of Science, Arts and Letters.

Dr. Dunn, a native of Dayton, Ohio, received her bachelor of science in secondary education and her master's degree in education administration from the University of Dayton. She earned her doctorate in recreation and parks at Penn State in 1970, and she will hold the title of professor of recreation and parks.

Her first position was as director of research with the National Recreation and Park Association in Washington, D.C., from 1969 to 1972. For the next five years she was an associate professor in the Department of Recreation and Leisure Studies at Temple University.

In 1977, Dr. Dunn went to the University of Arizona as professor and coordinator of recreation. She became head of the Department of Physical Education a year later.

Dr. Dunn has earned numerous honors, including being elected a fellow in AAHPERD Research Consortium in 1978, and a founding fellow, Academy of Leisure Sciences in 1980.

Dr. Dunn, who has published widely in areas of leisure and recreation, is a member of numerous professional organizations, including Academy of Leisure Sciences, American Alliance for Health, Physical Education, Recreation and Dance (AAHPERD), American Association for Leisure and Recreation, National Recreation and Park Association, World Leisure and Recreation Association and the International Sociological Association.

Dr. Dunn also has served as a member of the U.S. Team for Study of Cultural Innovation in Technological and Post-Industrial Societies. In 1971, she chaired the U.S. delegation for Project REALISE (Recreation Environment and Leisure Information Systems Exchange) at a 10-nation conference on international information systems in Tampa, Fla.

Under her stewardship, the organization of intercollegiate athletics will continue to function as before. James I. Tarmann serves as director for the Department of Athletics, responsible to Robert A. Patterson, senior vice president for finance, for policy and budgetary matters and to Dean Dunn for academic aspects and the scholastic integrity of the intercollegiate athletic program.

O'Connor gets Mitchell award, set up by grateful alumnus

With his best suit of clothes on his back and all his other possessions in two cardboard boxes, Philip Mitchell hitchhiked to Penn State University from Lancaster County in 1940.

The 22-year-old former farmhand had enrolled in Penn State's School of Journalism, even though he had no family to help support him.

While a student, Mr. Mitchell worked fulltime at State College movie theatres and also picked up occasional jobs as a campus dining hall waiter. He held a small scholarship.

Following his graduation, he worked briefly for two Pennsylvania newspapers, the *Bethlehem Globe-Times* and the *Meadville Tribune*. Then he began a successful advertising career that eventually led him to found his own agency in Atlanta.

Now retired and living in State College, Mr. Mitchell has established a major Alumni Service Award at Penn State. The award was presented on June 4 to another highly successful University graduate — Harold C. O'Connor of State College. Mr. O'Connor, a 1952 Penn State graduate in physics, is president of CHEMCUT Corporation.

The award honors Penn State graduates who have "contributed to society in general and to their alma mater in particular."

"I've always felt very strongly that people who benefit from the resources of

a university — any university — have an obligation to repay the debt later," Mr. Mitchell says.

"Very few people realize that even students who pay their own way through school pay only about one-third of the actual cost of their education. We have all received far more from our colleges and universities than we can ever repay."

"Mr. O'Connor is just the sort of person I wanted to honor with this award. He has supported Penn State not only with financial backing, but also with his time and talents. He has given many hours of service to the University."

Mr. O'Connor was president of the College of Science Alumni Society from 1979-81. He was able, according to Dr. Thomas Wartik, dean of the College of Science, "to motivate other board members and students so that a phenomenal amount of progress was made."

He has also served as vice president of the Alumni Society and has been a member of its board since 1976. He is a charter member of Penn State's Mount Nittany Society and a life member of the University's Alumni Association. He has served on the Alumni Council.

The Philip Philip Mitchell Award consists of a plaque and a \$1,000 check that may be given to a University project of the recipient's choosing. Mr. O'Connor will give his award to a student fund honoring emeritus physics professor

MRL marking 20th year

The Materials Research Laboratory will observe its 20th anniversary in July.

Monday, July 12, will be observed as "Materials Research at Penn State Day." It will consist of reports on the status of materials research at the Laboratory and across campus, the presentation of Xerox Awards for outstanding research papers by graduate students, and tours of the Laboratory.

MRL alumnus Mark Myers, vice president of the Xerox Corporation, will present the awards on behalf of Xerox. Among other distinguished Penn State materials graduates who will speak are R.G. Van Uiter of Bell Labs, F. Lange of Lockheed, J. Tietjen of RCA Labs, Dan Stewart of Owens-Illinois, R.W. Mooney of GE Service Corp., and Peter Sarjeant of West Virginia Pulp and Paper Company.

An "International Research Expo," set for July 13-14, will round out the celebration. It will be the first effort of its kind, featuring a showcase of University research results which have potential application in industry.

The guiding principle, according to Dr. Rustum Roy, MRL director, is that researchers cannot possibly know which companies need exactly the new materials or processes they may have unearthed. Hence, one-on-one coupling of basic research to developers — by finding one partner to support university research — is a fundamentally inefficient process. The "Expo" mechanism provides for more exact, direct coupling.

The Expo program also will include talks by leading figures in industry, education and state government. The university world will be represented by Dr. Richard Cyert, president of Carnegie Mellon University; industry by A. Bement, vice president for TRW; and Dr. D.W. Brabner of Schlitz Petroleum.

Governor Tom Burroughs and the Pennsylvania Department of Commerce are sponsoring the meeting in the interest of attracting high technology industries to the State. The meeting also reflects the international nature of investments and developments in high technology.

Information on exhibiting, registration and events may be obtained from E.M. Hawk, Room 110 Materials Research Laboratory, University Park, Pa. 16802 (814-865-3424).

CDT has less space for PSU news

Because of space limitations, the *Centre Daily Times* is not able to publish many of Penn State's news releases.

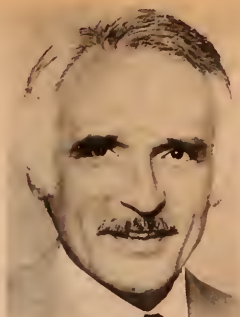
"Therefore, faculty and staff members at University Park should not rely entirely on news releases to publicize their programs and special events," said Arthur Ciervo, director of public information and relations.

In a CDT column May 18, Executive Editor Bill Welch noted that "the size of each day's newspaper, and hence the amount of space we have in which to publish the news, is determined by the amount of advertising we sell. Because the economy has been sluggish, the size of the newswatch, as journalists call the space available for news, has not grown very much in recent years."

The CDT, he added, is "trying to handle an ever-increasing volume of news in a relatively limited space. We have done so by generally reducing the amount of space devoted to any one item."

Collections moved

The music score and record collections of the School of Music (formerly housed in the Music Building) have been moved to the Arts Library, E405 Pattee.



Harold Gould

Comedy to open summer theatre

The University Festival Theatre will open its Silver Summer season in the Pavilion on June 24 with *Life with Father*, the Lindsey-Crouse comedy chronicling the Day family's struggle to get Father baptized.

The play features veteran actor Harold Gould in the title role. Mr. Gould, who has stage, film and broadcast credits, is perhaps best known for his role as the father in the television series, *Knots*.

Life with Father will run June 24-27, June 29-July 4, and July 6-11.

Other Silver Summer offerings include *De, Baines in Arms* and *South Pacific*.

Season subscriptions and single tickets are currently on sale at the Playhouse box office, which is open Monday through Sunday from 11:30 a.m. to 8:30 p.m. Subscriptions may be charged to VISA or MasterCard by calling 865-1884.

Gene regulation symposium open

Registration is now open for Penn States wishing to attend a symposium on the Regulation of Gene Expression, Aug. 4-6 at University Park.

The Summer Symposium in Molecular Biology is part of the recombinant DNA technology cooperative program, initiated last January between Penn State and a number of biotechnology-related industries. The major objective of the program is to provide information transfer between university-based molecular biologists and industry representatives.

Special registration fees for Penn States are \$10 for graduate students, \$15 for postdoctoral fellows and \$40 for all others. Because audience space is limited, advance registration is required.

Highlights of the symposium are:

— Aug. 4, "Transcription," presented by Richard Axel and Marian Carlson of Columbia; Thomas Shenk, SUNY-Stony Brook; Dieter Soll, Yale; and Robert Tjian, UC-Berkeley;

— also Aug. 4, Keynote Address, Alexander Rich, MIT;

— Aug. 5, "Translation and Secretion," presented by Malcolm Casadaban, Chicago; Larry Gold, Colorado; Jesse Rabinowitz, UC-Berkeley; John Roth, Utah; Donald Steiner, Chicago; and George Weinstock, NCI-NIH;

— Aug. 6, "RNA Processing," presented by John Abelson, UC-San Diego; Nicolas Cowan, Princeton; Douglas Melton, Harvard; and Jeffrey Ross, Wisconsin;

— also Aug. 6, "Genome Rearrangements," presented by James Broach, SUNY-Stony Brook; William Hayward, Sloan-Kettering; Fred Heffron, Cold Spring Harbor Labs; Gerald Rubin, Carnegie Institute, Baltimore; and George Vande Woude, NCI-NIH.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Office for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., June 27, 1982. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (FE-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ADMINISTRATIVE ASSISTANT, COLLEGE OF EDUCATION, UNIVERSITY PARK — Responsible to the Head, Division of Curriculum and Instruction for administration and coordination of administrative functions, including supervision of clerical employees. Assist Division Head in monitoring expenditures, scheduling classes, and coordinating special projects such as conferences and workshops. Bachelor's degree, with two to four years of experience in related administrative work.

SUPERVISOR, CENTRAL MILK TESTING LABORATORY, COLLEGE OF AGRICULTURE, UNIVERSITY PARK — Responsible to Manager, Central Milk Testing Laboratory (CMTL), for various laboratory operations. Direct the work of employees. Inspect equipment and recommend needed repair. Schedule testing of milk samples. Ascertain condition of samples and prepare for check tests and machine calibration. Perform tests on weighing and sampling devices. Monitor operation of IBM Series I Computer, CRTs and microprocessor. Compile and maintain inventory of repair parts and supplies. Demonstrate laboratory operations to visitors, dairy men and county agents. Associate degree or equivalent, plus one to two years of effective experience in operating milk testing equipment. Experience with computer hardware desirable.

WRITER/EDITOR, PUBLIC INFORMATION AND RELATIONS, UNIVERSITY PARK — Responsible for writing news releases and for providing public information support for particular colleges for the News Bureau and for internal publications. Establishes regular channels of communications with deans, admissions officers, department heads and faculty members in the development of publicity and public information programs. Must have ability to write well, fast and accurately. Bachelor's degree in journalism, English or related field, plus at least two years of effective experience in a writing position on a newspaper or in a public information office. Higher education experience desirable.

MANAGEMENT TRAINEE, OFFICE OF PHYSICAL PLANT, UNIVERSITY PARK — Responsible to assigned management personnel for performance and training in a wide variety of administrative and managerial duties. Will proceed through a structured program toward the ultimate goal of obtaining well-rounded management experience and/or knowledge in all major areas of physical plant administration. This position requires a bachelor's degree, preferably in business administration or a related field. Some experience would be helpful but not required. This is an entry level position in the field of management.

ASSISTANT DIRECTOR FOR UNIVERSITY RELATIONS, SHENANGO VALLEY CAMPUS — Responsible to the Campus Director for organizing and conducting a comprehensive University relations program for the entire campus, including Continuing Education, Office of Public Information and Relations, Gifts and Endowments, Alumni and community activities. Organize and conduct a program of public information and relations for the total campus, including Continuing Education, involving the use of newspaper, radio and television media as appropriate. Bachelor's degree or equivalent, plus two to four years of effective experience, preferably involving newspaper and/or journalistic writing, public relations. Relevant experience in higher education is desirable.

RESEARCH ENGINEER, COLLEGE OF HEALTH, PHYSICAL EDUCATION AND RECREATION, UNIVERSITY PARK — Acts as Chief Technical Programmer on research projects; advises/instructs

graduate students in programming tasks. Keeps abreast of new design developments in programming; conducts post-design investigations of systems; design and develop analog and digital data recording systems for use in biomechanics research; supervise activities of an engineering aide; participate in planning and conducting of laboratory and field experiments. Bachelor's degree, preferably in electrical engineering, with advance work highly desirable. Requires two to three years of effective experience in industry or similar area.

CLINICAL PSYCHOLOGIST, UNIVERSITY HEALTH SERVICES, UNIVERSITY PARK — Responsible to the Director of the Center for providing mental health services to students of the University. Principal duties may include: individual and group psychotherapy, training and supervision of graduate students delivering clinical services in Center, consultation and outreach to various departments, and various other professional functions as assigned. Doctorate in clinical or counseling psychology, including an approved one, year, APA-approved internship, or a master's degree in clinical or counseling psychology or equivalent training, plus a minimum of three to four years' related clinical experience, required.

ADMINISTRATIVE AIDE, COLLEGE OF EARTH AND MINERAL SCIENCES, UNIVERSITY PARK — Responsible for control of office budgets; prepare publications and special reports; requires knowledge of research procedures; budgets and report requirements, responsible for graduate assistantship actions and computer allocations. Office and clerical experience required. Associate degree, or equivalent, in business administration, plus minimum of one year effective experience involving budgets and office administration.

AVIATION INSTRUCTOR, BUSINESS SERVICES, UNIVERSITY PARK — Responsible to Chief Flight Instructor for instructing flight and ground school students utilizing FAA approved curricula for private, commercial, instrument and flight instructor plus. Valid FAA Commercial Pilot, Flight Instructor (airplane and instrument), second class medical certificate required. Position also requires 1500 hours total flight time, 500 hours of which should be as a flight instructor.

COLLEGE HEALTH NURSE, DUPOIS CAMPUS — Responsible administratively to the Assistant Director of Student Affairs and professionally to the Director of Nursing Services for providing nursing care to the student body including the treatment of minor and temporary illnesses and accidents plus making appointments and referring students and employees to a physician or hospital when necessary. Provide and execute a nursing regimen within the limits of standard nursing practices and University Health Services policy and procedures. Implement medicine regimen under the direction of a licensed physician or dentist. Graduate of an accredited nursing program or its equivalent and current licensure in Pennsylvania as a registered nurse plus six to nine months of effective experience with some public health nursing or other related institutional nursing experience.

Football ticket applications accepted

Applications are now available for full-time faculty and staff members who wish to request football season tickets for the first time.

New 1982 season ticket requests will be accepted if tickets are available. The number available depends upon how many 1981 season ticket holders reclaim their seats. Orders will be accepted on a first-come, first-served basis.

Applications and additional information may be obtained from the Penn State Ticket Office at Beaver Stadium (814-865-7567) or Room 203 Recreation Building (814-863-3470).

The Beaver Stadium office is open over lunch hours, and both ticket facilities are open Saturday from 8:15 to 11:45 a.m.

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Penn State, Yaounde agree to exchanges

Penn State and the University of Yaounde in the United Republic of Cameroon, Africa, have established an exchange program for graduate students and faculty members.

Yaounde Chancellor Jean Fournan Akame and Provost Eddy signed a memorandum of understanding in ceremonies last night (Wednesday) on the occasion of the Chancellor's first visit to the United States.

For the University of Yaounde, which is Cameroon's national university, the exchange program is its first linkage with an American university.

"The University of Yaounde, a young university in a developing country, is interested in additional opportunities for its students and faculty members to pursue graduate studies and post-doctoral research," Dr. Eddy said.

"In return, Penn State faculty members and students, particularly in the departments of French, comparative literature, and mineral and petroleum engineering, will have the opportunity to visit, teach and conduct research at the University of Yaounde," he added.

The exchange program will be supported by grants from the Mobil and Shell foundations. Dr. Eddy said. The Ambassador from Cameroon to the U.S., Paul Poudi, recently visited Penn State to work out some of the details of the agreement.

Inaugurating the program will be Dr. Tala Kashim Ibrahim, professor of African literature at Yaounde, who also was present at last night's ceremonies. Dr. Tala, who holds the first doctorate ever awarded by Yaounde, will come to Penn State in September for several months of post-doctoral study.

Dr. Eddy noted that Penn State has been committed to encouraging its students to learn more about the peoples and cultures of Africa for some time; the agreement with the University of Yaounde will enhance those opportunities.

"Some of Penn State's programs, specifically those of the French Department and the comparative literature program, offer courses in African literature. Our Black Studies Program underscores our commitment by offering an undergraduate certificate in African studies," he said.

Although the exchange program initially will involve students and faculty members in the liberal arts and earth and mineral sciences, it may grow to include those from other areas as well. Dr. Eddy said, noting that Penn State has strong graduate programs in areas of interest to the United Republic of Cameroon.

"In addition to the new exchange program, the memorandum of understanding also establishes the principle of cooperation between our institutions," he added. "We expect to see mutually beneficial collaboration in a number of areas."

Additional linkages and activities may take the form of research projects, colloquia and seminars.

"Administrative personnel, such as deans, librarians, registrars, and data processing technicians, also will be

(Continued on page 7)

Computerized systems to be developed

A fully computerized Student System and five other computerized central administrative systems are being developed for Penn State.

The University has contracted with Electronic Data Systems of Dallas, Texas, to develop and install the Student System and to design the other five, which include: Budget Operations and Planning, Business Services (General Stores and Purchasing), Facilities/Property Inventory, Financial, and Human Resources.

The new systems will be designed so that they are fully integrated and can support all University offices.

EDS is already at work under a contract which began April 1 and will end Feb. 29, 1984. The contract was awarded after a year-long study involving administrative staff and faculty members throughout the University.

At the suggestion of President Oswald, a seven-member Administrative Information System (AIS) task force was established in April 1981 to evaluate problems with existing administrative computer programs at Penn State and to recommend solutions. The task force sought proposals from knowledgeable companies, and, after extensive evaluation in which members of the faculty and staff assisted, they recommended to President Oswald in January 1982 that the University enter into negotiations with EDS.

The AIS project has two principal concerns:

— There must be University-wide participation so that the new systems meet the needs of the central administration and the common needs of departments, colleges and campuses.

— There must be innovative approaches in the design of the systems so that they will be effective throughout the 1980s and into the 1990s.

A System Committee is being formed for each of the six systems, and Working Groups will be assigned to each

committee to focus on sub-systems. Members of these committees and working groups will be chosen to assure the broadest possible representation and expertise.

Members selected for the Student System Committee are: Robert E. Dunham, chairman; Paul L. Kenepff, staff officer; John Brugel, chairman, Student Aid Working Group; Robert W. Carrubba, chairman, Graduate School Working Group; John T. Eakin, Student Affairs; Warren R. Halflinger, chairman, Academic Records Working Group; James T. McKee Jr., chairman, Admissions Working Group; William H. McKinnon, chairman, Housing Assignment Working Group; Richard D. Shewder, Office of Planning and Budget; Thomas E. Tracy, Commonwealth Educational System; Donald J. Tressler, chairman, Bursar Working Group; and Graham B. Spanier, representative for Colleges.

The chairman of the other five System Committees are: Budget Operations and Planning, Loren M. Furtado; Business Services, Ralph E. Zilly; Facilities/Property Inventory, George R. Lovette; Financial, Steve A. Garban; and Human Resources, Raymond T. Fortunato.

The membership of these committees will be published in a future issue of *Intercom*.

Anyone with questions or suggestions related to the AIS project should contact Gary Schultz, AIS Project Manager, or the appropriate System Committee Chairman.

(Continued on page 7)

Governor names Jay Claster to Board of Trustees

Jay B. Claster of State College, president of Claster's lumber and building material stores, is a gubernatorial appointee to the University's Board of Trustees. He will serve a three-year term.

A native of Lock Haven, Mr. Claster graduated from Carnegie-Mellon University and served two years in the U.S. Army before joining the family business in 1955. The business now consists of 12 Central Pennsylvania lumber and building material stores.

Also in 1955, he began his long involvement in civic affairs by joining the American Heart Association. Since then, he has been the Association's state board chairman and four-term national vice president. He currently is an at-large member of the national board.

Mr. Claster is a member of the Penn State Fund Council and serves on the boards of the Pennsylvania Manufacturers Association and the Geisinger Medical Center. A pilot for some 30 years, he formed the Commuter Committee and was first chairman of the reactivated Centre County Airport Authority in the successful effort to provide commuter service at the University Park Airport.

Mr. Claster and his wife, Dr. Barbara L. Claster, a psychologist/psychoanalyst with private practice in both State College and New York City, have one daughter, Sandra, a junior at Concord (Mass.) Academy.



Dean Hermanowicz

Education Dean to chair United Way

Henry J. Hermanowicz, dean of the College of Education, has been named chairman of the 1982 United Way campaign at University Park.

In announcing the appointment, President Oswald said, "The College of Education has had an outstanding participation record in recent United Way fundraising drives, due in large part to Dean Hermanowicz's leadership."

"I am pleased that Dr. Hermanowicz has accepted this responsibility on behalf of University Park. Under his capable leadership, the University will continue to meet its responsibilities to the citizens of Centre County through its generous contributions to the 28 United Way agencies."

Dr. Hermanowicz served as dean of the

(Continued on page 7)

University's budget appropriation bill wins approval

Penn State's budget appropriation bill for 1982-83 was signed Saturday, June 19, by Governor Dick Thornburgh. The bill, providing for an appropriation of \$143,481,000, earlier had been approved by the House and Senate in Harrisburg.

"Penn State deeply appreciates the support given to higher education in Harrisburg at a time when unstable economic conditions are affecting all levels of government," said Provost Eddy in announcing the Governor's action.

"The comparison with a number of other states is obvious. We are grateful to Governor Thornburgh, the members of the legislature and the friends of the University who supported passage of the 1982-83 appropriation at an increased level over previous years," he continued.

"Penn State also commends legislators for their overwhelming support and prompt action in passing its appropriation bill in the amounts recommended by the Governor. We can now proceed in an orderly manner to complete our financial plans for the new fiscal year."

The University's 1982-83 appropriation is up 6 percent from that of last year.

Penn State's appropriation was part of a package of bills providing funds for a variety of institutions, including four state-related universities.

Penn Staters

En route to and from the National University of Singapore, where he was External Examiner in English Literature during March and April. Dr. Stanley Weintraub, research professor of English, lectured on Shaw, Yeats and Joyce at the University of Malaya in Kuala Lumpur; Dr. Ben Gurion University of the Negev, Tel Aviv University and Hebrew University in Israel; the University of Zagreb and the University of Ljubljana in Yugoslavia; and the University of London. Dr. Weintraub has two recent publications. He is the editor of the two-volume work, *Modern British Dramatists, 1900-1945*, published by Gale (Detroit) as part of the *Dictionary of Literary Biography*. He also served as General Editor for volume 2 of *SHAW, The Annual of Bernard Shaw Studies*, issued by Penn State's Press.

Penn State's former engineering dean, Nunzio J. Palladino, now chairman of the Nuclear Regulatory Commission, has been selected by The American Nuclear Society to receive the 1982 Arthur Holly Compton Award. Dr. Palladino was cited for "distinguished leadership as an engineering educator. He is a pioneer in the development of nuclear engineering as a professional discipline and as an educational discipline. He has maintained a strong commitment to quality engineering education, to professional ethics, and to service to society."

Dr. Joseph Jordan, professor of chemistry, presented the keynote address at the third U.S.-Japan Seminar on Recent Advances in Electrochemistry of Energy Conversion, Storage and Conversion in Honolulu last month.

Dr. Edward J. Massaro, professor of veterinary science and director of the Center for Air Environment Studies, recently presented two lectures in South Africa. The first, on "Uptake of Potentially Toxic Metals by Marine Fishes," was to the 11th Conference of the International Association of Water Pollution Research in Capetown; the second, on "Effects of Methylmercury on Fetal Development," was to the National Research Institute on Nutritional Diseases at Tygerberg.

Dr. Massaro also has agreed to serve as a member of the Asbestos Compensation Coalition Health Advisory Board.

Dr. Stephen J. Fonash, professor of engineering sciences, has been appointed an associate editor for the journal, *Transactions on Electron Devices*, published by the Institute of Electrical and Electronics Engineers.

John Cook, professor of art, has been elected to the advisory board of the Medall Sculpture Association of New York. Professor Cook has also been named a Fellow in the Society of Medallists.

Lil Junas, assistant professor of journalism, has compiled photo policies and philosophies from newspapers throughout the county into a 24-page booklet, *Photo Policies*. The guide is directed both toward staffs wanting to establish a photo policy and those wanting to rethink the role that photography plays in their papers. Professor Junas also recently won a second place in feature in the 1982 photo competition of the Pennsylvania Press Photographers Association.

Dr. Mary S. Mander, assistant professor of speech communication, is the recipient of a Summer Stipend from the National Endowment for the Humanities. The stipend was awarded to enable her to undertake a study of the Vietnam War and war correspondents.

Dr. Francis J. DiVesta, professor of education and psychology, gave an invited faculty seminar on "Student Learning Strategies: The Neglected Curriculum" at the University of Connecticut.

Dr. Archie J. McDonnell, professor of civil engineering, has been named acting director of the Institute for Research on Land and Water Resources. An assistant director since 1969, he replaces Dr. John C. Frey, who retires from the University June 30.

Dr. McDonnell's research in water pollution control has involved water quality modeling and limestone neutralization of acidic streams. In 1976, he and Dr. Frank Pearson won the J. James R. Crose Medal of the American Society of Civil Engineers for a paper on limestone stream barriers.

In 1978, he was appointed to the Water Resources Policy Advisory Committee of the Pennsylvania Department of Environmental Resources and earlier served on the Great Lakes Research Advisory Board of the International Joint Commission.

Dr. McDonnell took his undergraduate degree in civil engineering at Manhattan College and his master's and doctorate at Penn State. He was appointed to the faculty in 1963.

Dr. Robert T. Beyer, professor of physics at Brown University, is at Penn State as a visiting professor of acoustics research in the Applied Research Laboratory. Dr. Beyer, whose major fields of research include experimental investigations of ultrasonic propagation in liquids, the effects of sound waves of finite amplitude and the interaction of sound with sound, began his visit on Jan. 1. He will remain at the University until Aug. 31.

Promotions

Staff Exempt

Ruth E. Auman to assistant housekeeping

Carol Cartwright appointed CES associate dean

Dr. Carol A. Cartwright has been named associate dean for academic affairs for the Commonwealth Educational System.

Dr. Cartwright, a Penn State faculty member since 1967, has been the acting associate dean since last year.

"Dr. Cartwright's appointment reflects a unique match of her expertise and our needs," said Dr. Robert J. Scannell, CES vice president and dean. "I believe we are extremely fortunate to be able to call on her to fill this post."

The associate dean is responsible for coordinating and implementing University academic personnel policies and procedures as they relate to the Commonwealth Educational System, which has approximately 800 full-time faculty members.

"Dr. Cartwright's experience in a wide variety of areas makes her highly qualified for the position of associate dean," Dr. Scannell noted, citing her service as secretary of the University Faculty Senate and as chair of the Task Force on Faculty and Staff for Penn State's *Perspective on the '80s*. He added:

"She also has experience in televised instruction and in computer-assisted instruction, both of which can play important roles in delivery of education for the CES."

Dr. Cartwright earned her bachelor of education degree from the University of Wisconsin-Whitewater and her master of education degree from the University of Pittsburgh. She received her doctor of

supervisor in Housing and Food Services. Dennis H. Hall to programmer/analyst B in Management Engineering.

M. Irene Johnston to project assistant in Intercollege Research Programs. Bruce G. Kreider to assistant extension agent in Agriculture.

Susan M. Lewis to manager, Department of Radiology at Hershey.

Katherine A. Listwak to assistant extension agent in Agriculture.

Bethany A. Neely to assistant extension agent in Agriculture.

Carol G. Reitz to chief diagnostic radiology technologist at Hershey.

Peter R. Sieger to senior copy editor in University Press.

Francis G. Sinclair to dining hall supervisor in Housing and Food Services.

Beatrice I. Spangler to dining hall supervisor in Housing and Food Services.

Gloria M. Walker to assistant dining hall supervisor in Housing and Food Services.

Doris Wilk to assistant dining hall supervisor in Housing and Food Services.

Staff Non-Exempt

Madeline L. Calon to senior vascular radiology technologist at Hershey.

John F. Clutcher to computer operator at Hershey.

Alice C. Hilbott to senior computer tomography (CT) radiology technologist at Hershey.

Danuta Strzelecka to research technician at Hershey.

Clerical

Patricia A. Eagle to accounting clerk, Housing and Food Services at Capitol.

Darlene Small to clerk data processing A in Commonwealth Educational System.

Phyllis L. Smith to clerk typist A in Personnel Administration.

Lori A. Stoner to secretary B at Hershey.

Technical Service

Bruce W. Burns to maintenance worker general B at Ogontz.

Jeffrey M. Chistone to AV Processor/Operator in Commonwealth Educational System.

Charles A. Foote to laundry worker/truck driver at Hershey.

Ethel E. Parker to janitorial worker in Physical Plant.

Obituaries

Dr. John R. Nichols, professor of social science and psychology at Capitol Campus, died June 10. He was 62.

A member of the Capitol faculty since 1968, his research and numerous professional articles and papers have focused on drug addiction.

Dr. Nichols received his Ph.D., M.S. and B.S. degrees in psychology from the University of Oklahoma. He was a counselor at Oklahoma and a faculty member at Southeastern Louisiana College before coming to Capitol.

Dr. Willis L. McClellan, professor of agronomy Extension, died June 10. He was 52.

A member of the faculty since 1969, Dr. McClellan was responsible for chemical and weed control programs in agronomic crops.

Dr. McClellan, a native of Millsburg, received his doctorate and M.S. degree in agronomy from Penn State. His B.S. degree, in horticulture, also was from the University.

From 1963 to 1967, he was superintendent of the University's Southwestern Field Research Laboratory in Rector. He also was an assistant county Extension agent in Crawford County and worked two years for Hanover Canning Company.

He was a member of the editorial board of the magazine *Crops and Soils* and was co-founder and partner of the MacHoff Notiller Company.

James K. Rathmell Jr., a professor of floriculture Extension in the College of Agriculture, died June 4. He was 59 and had been a member of the faculty since 1955.

Raymond Lunney, an instructor in engineering at the Beaver Campus from 1968 to 1982; died June 10. He was 54.

Eleanor M. Novotny, a clerk at the York Campus, died June 10 at the age of 57. She had been employed by the University since 1976.

Edna M. Thompson, a residence hall worker with Housing and Food Services since 1974, died June 6. She was 54.



Dr. Cartwright

philosophy degree in special education and educational research from the University of Pittsburgh in 1968.

She served as a first-grade teacher in Pittsburgh, as a teacher of emotionally disturbed children and as a remedial tutor before joining the faculty of the University of Hawaii in 1966 as an instructor in educational psychology.

She came to Penn State in 1967 as an instructor in elementary education and rose to the rank of professor of education by 1979. From 1975 to 1981, she was

professor-in-charge of graduate programs in Curriculum and Instruction in the College of Education. She is a senior member of the University's graduate faculty.

Dr. Cartwright is the author of numerous professional papers and has directed many research projects. She has served as a consultant to the Pennsylvania Department of Education and as a reviewer for the United States Department of Education, Office of Special Education. She is a member of the editorial boards of two professional journals.

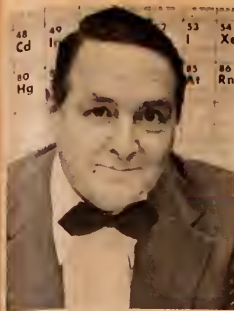
Dr. Cartwright served on the University Presidential Search and Screen Committee and is vice-chair of the communications committee of the University's Calendar Conversion Council. As secretary to the University Faculty Senate, she was a member of the Faculty Advisory Committee to the President.

She was active in planning and implementing the recently held Penn State Conference on General Education. Her other activities include chairing the selection panel for Penn State's Faculty Scholar Medal in Social and Behavioral Sciences and participating on the University's Commission for Women and the Administrative Council on Undergraduate Instruction.

Dr. Cartwright is married to Dr. G. Phillip Cartwright, professor of special education and head of the Division of Special Education and Communication Disorders in Education.

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Retiring from Penn State at the end of June are the following professors: Top row from left — Jack Chapin, Frank Mallette, Benjamin Howell and John Frey. Bottom, from left — Harold Lovell, Edward Kraybill and Elmer Lear.



Partings

Jack F. Chapin, professor of engineering at the Berks Campus, will retire June 30 with emeritus status.

A member of the Penn State faculty since 1965, Professor Chapin served as program chairman of the chemical engineering technology program at Berks. In 1974, he received an Excellence in Teaching Award from the College of Engineering.

He received both his B.S. and M.S. degrees in chemical engineering from the Massachusetts Institute of Technology. Prior to coming to Penn State, he worked for a number of corporations, focusing on coal gasification and chemical engineering development.

Dr. John C. Frey, director of the Institute for Research on Land and Water Resources, will retire June 30. He joined the faculty in 1951 as a member of the Department of Agricultural Economics and Rural Sociology.

In 1968, Dr. Frey first began to do interdisciplinary research with faculty members in the Colleges of Business, the Liberal Arts and Agriculture. At that time, the State was funding research projects to assess the economic and sociological impact of highway building.

In 1963, the Institute for Research on Land and Water Resources was established, and Dr. Frey was named director. Under his leadership, the Institute has grown from 31 to 196 staff members, including faculty members and graduate students from 17 departments, as well as technical and clerical personnel. Today's major environmental concerns are reflected in the Institute's current programs, among them, safe recycling of wastes, community development and management of land and water resources.

Dr. Frey, an Iowa native, was educated at Iowa State University.

Dr. Benjamin F. Howell Jr. will retire June 29 as associate dean of the Graduate School and professor of geophysics — with emeritus status in both ranks — after serving 33 years on the University faculty.

After receiving his A.B. in geology from Princeton University, he earned his M.S. and Ph.D. degrees in geophysics at the California Institute of Technology.

He joined the Penn State faculty in 1949 as associate professor and chief of the then Division of Geophysics and Geochemistry. He continued to head the geophysics and geochemistry program until 1963, serving also as director of the University's Seismic Observatory. In this role, he oversaw construction of the present central observatory facilities in Deike Building. Collecting and reporting data on earthquakes in the eastern United States has been one of his special interests.

He has taught many different geophysics courses and originated a number of them, including Earth as a Planet, Geophysics Surveying, Physics of the Earth for Teachers, Seismology, Tectonics, Seismic Instruments and a Natural Disasters Seminar.

He has supervised the preparation of 20 M.S. and 17 Ph.D. theses. In addition to publishing more than 80 articles in professional journals, Dr. Howell is the author of two books, *Introduction to Geophysics and Earth and Universe*.

As a Graduate School administrator since 1968, he has been involved primarily with financial aid.

Dr. Howell has been president of the Seismological Society of America, secretary of the seismology and tectonics sections of the American Geophysical Union, and chairman of the mining institutes committee of the National Science Foundation.

Active on many University committees, he notes that the accomplishment that gave him the most satisfaction in his career was the approval by the University Faculty Senate of the policy which permitted establishment of honor systems in individual majors, and the development and use of such a system for many years by students in the geophysics and geochemistry major.

Edward K. Kraybill, professor of engineering, is retiring June 30 with emeritus status. A member of the faculty since 1971, when he was named director of the Worthington Scranton Campus, he came to University Park in 1978.

A 1939 Penn State graduate with a B.S. in electrical engineering, he holds M.S.E. and Ph.D. degrees from the University of Michigan. Prior to his return to Penn State, he was an associate dean of

engineering at Duke University.

Dr. Kraybill is the author of a book on electric circuits and has held offices in state and national professional societies. A registered professional engineer in North Carolina, Dr. Kraybill devoted much of his career to finding ways to improve engineering instruction.

He and his wife, Helen, plan to continue to reside in State College.

Two members of the faculty at Capitol Campus will retire June 30. They are Dr. Elmer N. Lear, professor of social science and education, and Rudolph M. Jones, assistant professor of engineering.

Dr. Lear, who will be granted emeritus status, joined the Capitol faculty in 1968. He previously served on the faculties of Wagner College and the City College of New York. His research has focused on area studies of the Philippines and Middle East, American philosophy, political sociology, Judaism and pedagogy.

Dr. Lear's Ph.D. in foundations of education is from Columbia University, and his D.S.Sc. degree in political sociology is from the New School for Social Research. He also holds B.A. and M.S. degrees from the City College of New York and an M.A. degree from Johns Hopkins University.

Professor Jones came to Capitol in 1969, having served on the faculties of Clemson University and the University of South Carolina. He also is a retired lieutenant colonel who served in the U.S. Army from 1938 to 1963. His M.S. degree is from Clemson and his B.S. from South Carolina, both in civil engineering.

Dr. Harold L. Lovell will retire June 29 as professor emeritus of mineral engineering after 37 years on the faculty.

He holds three Penn State degrees, a B.S. (1943) and M.S. (1945), both in chemistry, and a 1952 Ph.D. in fuel technology.

Beginning in 1951 as a research associate, he advanced through the faculty ranks, serving as head of the then Department of Mineral Preparation from 1963 to 1968. From 1968 to 1977, he was director of the Mine Drainage Research Section, an interdisciplinary unit in the College of Earth and Mineral Sciences.

A consultant to various industrial and

governmental agencies, Dr. Lovell has done research on basic quantification of material composition and properties as in the initial application of absorption spectroscopy to coal and minerals. He pioneered mathematical modeling concepts in mineral and environmental process unit operations, such as attritional liberation, cyclone performance, and particle sedimentation systems.

Currently director of four short courses offered in the continuing education program of the Department of Mineral Engineering, Dr. Lovell has supervised the preparation of six Ph.D. and 26 master's degree theses. He is the author of chapters in three books and of more than 80 published articles and holds a co-patent on alumina recovery from coal.

In retirement, he plans further research involving coal and environmental problems, completion of several books and the continuation of his consulting activities.

Dr. M. Frank Mallette, professor of biochemistry, will retire on June 30 with the rank of professor emeritus after serving the University for 27 years. During this period, he was acting head of the Department of Biochemistry and Biophysics from 1973 to 1975 and has been director of the biochemistry graduate programs since 1976.

Dr. Mallette earned his B.S. at Iowa State University and holds M.S. and Ph.D. degrees from Columbia University. Before coming to Penn State he served on the faculties of Johns Hopkins University and the University of Wyoming.

A specialist in bacterial physiology, especially metabolism and induction of enzyme biosynthesis, Dr. Mallette is also known for his improvements in laboratory techniques. In 1955, he and his colleagues were the first to isolate and determine the structure of Forssman hapten, a red blood cell component found in the natural anti-disease defense system of a wide variety of animals and man. The achievement was the culmination of 25 years of research and a goal that had been sought by scientists since Forssman discovered the substance in 1911.

The author of nearly 100 research papers published in scholarly journals, Dr. Mallette is co-author of three popular

(Continued on page 4)

(Continued from page 3)

textbooks: *Basic Bacteriology*, now in its fourth edition, *Biochemistry of Plants and Animals* and *Introductory Biochemistry*.

Dr. Mallette was a visiting professor at the University of British Columbia in 1963 and the University of Hull, England, in 1970.

In 1980, he was elected to a sixth term on the University Faculty Senate, which he served as secretary from 1980 to 1981.

Dr. Mallette has been honored with election to the American Society of Biological Chemists, the New York Academy of Sciences and fellowship in the American Association for the Advancement of Science.

In retirement, Dr. Mallette plans to continue his research and to do some volunteer teaching. He and his wife, Ruth, also plan to travel.

Marcus K. Davis, staff associate in the Office of the Vice President for Continuing Education, will retire June 30.

After graduating from Penn State in 1950, he joined the Altoona Campus in 1951 and became a regional manager for Extension programs in a 12-county area. He moved to University Park in 1965. Mr. Davis began the Mine Mechanic School at Saltsburg, an award-winning and nationally recognized program.

Catherine B. Love, consumer education specialist with the Cooperative Extension Service, will retire June 30 after 25 years of service.

Ms. Love's major responsibilities have been in developing programs to educate Pennsylvania's consumers, both directly and through the county-based Extension home economists.

A native of Tennessee, she has a B.S. from the University of Tennessee and an M.S. from Michigan State.

Francis C. Turner, area community resource development agent in Cooperative Extension, will retire June 30 with 33 years of service.

The Centerville native began as an assistant county agent for Tioga County. He later was promoted to county agent and was named area community resource development agent for Tioga, Bradford, Susquehanna, Wyoming and Sullivan counties in 1967.

In recognition of his educational contributions to Pennsylvania agriculture, Mr. Turner was presented a Distinguished Service Award by the National Association of County Agricultural Agents in 1979.

Dorothy F. Mihelic, staff assistant for executive programs in Continuing Education, will retire June 30 after 20 years of service.

She has worked with contact personnel in corporations worldwide to help enroll executives in the College of Business Administration's business and management programs.

Mrs. Mihelic, an active member in the local chapter of the Embroiderer's Guild, will keep busy at her craft between trips with her husband, Nicholas.

"The two best adjectives that I can use to describe Violet Adams as an employee are 'dependable' and 'thorough,'" says Jeanne Smith, dietician and facilities supervisor. "When you ask her to do something, you don't have to check on her. You know she'll get it done and do it right."

After 23 years of service, Mrs. Adams, a helper at the Health Center, will retire June 29. She joined the staff in 1954 as a janitorial service worker in Old Main and in 1963 worked in Pattee Library. Mrs. Adams began her job at Ritenour in 1971 and notes that she does "anything from cooking to cleaning."

A resident of Julian, Mrs. Adams will join her husband, Eugene, in retirement. The couple has two daughters and five grandchildren. One daughter, Connie, is employed as a secretary in Shields.

Penn State scientists to receive research awards

At the annual meeting of the Pennsylvania Research Corporation, the Board of Directors recommended research project awards totalling \$143,561 to 17 Penn State scientists.

This research support is made possible by the University's share of royalty income from patents managed by Research Corporation, New York, and licensed to industry. Nine inventors received \$99,121 in 1981, as their share of royalty income. Presently paying royalties are licenses held by Warner-Lambert; U.S. Steel; Spawm-Mate, California; Intermedics, Texas; and Kureha Chemical Industries, Japan.

Dr. Lee C. Schisler, professor of plant pathology, and former graduate student A.D. Carroll Jr., invented the delayed release mushroom nutrient sold by Spawm-Mate. Dr. Eugene Davidson, chairman of biological chemistry at the Hershey Medical Center, and Dr. Sally Bolmer, a former graduate student now at MIT, devised a prologuer cancer detection test (tumor specific glycoproteins) now being developed by Warner-Lambert and Kureha Chemical Industries.

William Kjelgaard and Paul Anderson, both associate professors of agricultural engineering, invented a more efficient method of dispensing ammonia fertilizer. U.S. Steel's Agri-Chemicals Division sells the equipment under the tradename Cold-Flor. Professor Kjelgaard notes that two more patents on related inventions were granted in January 1982.

During 1981, royalty income received by

the Pennsylvania Research Corporation was significantly higher than in 1980, chiefly because of increasing income from the cardiac pacemaker telemetry license. This invention was the work of Dr. G.F.O. Tyers, formerly of the Hershey Medical Center; Robert Brownlee, now senior executive vice president, Cardiac Control Systems; and Carl Volz, now deceased.

Researchers who won PRC grants are: Dr. Harry R. Allcock, chemistry, "Electroactive High Polymers"; Dr. James L. Hodgson and N. Scott Deno, Human Performance Laboratory, "Refinement of DATA Stethoscope"; Dr. Robert B. Duckrow, Hershey Medical Center, "Reflection Spectrophotometry"; Dr. J. Loomis and Dr. E.R. Buskirk, Human Performance Laboratory, "Underwater Ergometer"; Dr. Gerson Rosenberg, Hershey Medical Center, "Electric Motor Drive for an Implantable Heart";

Dr. D.R. Royse, plant pathology, "Interspecific Hybrid" and "Selective Breeding of the Mushroom, *Agaricus brunneus*"; Dr. L.C. Schisler, plant pathology, "Thinning Control for Mushroom Culture"; Dr. T. Vincent Shankey, plant pathology, "Direct Assay for Activated Human T-Lymphocytes"; Dr. George Simovitch, metallurgy, "Chromium-Free Alloys Resistant to High-Temperature Oxidation Corrosion"; Dr. Paul Todd, biophysics, "Two-Phase Aqueous Polymer Gel Extraction"; Dr. Frederick C. Wedler, biochemistry, "B-Keto Phosphonate Inhibitors of Key

Enzymes in Aspartate and Glutamate Metabolism"; Dr. Francis T.S. Yu, electrical engineering, "Application of White-Light Image Subtraction to Rapid Microcircuit Board Inspection"; Dr. James Indigo, chemistry, "Application of Indigo Derivatives in Photo-imaging Processes"; and Dr. Murray Snail, metallurgy, "Getter-Assisted Hydrogen Reduction of Lead Sulfide." Dr. Fehner, based at the Worthington Scranton Campus, Dr. Small at Shenango Valley and the others at University Park or Hershey.

The Pennsylvania Research Corporation organized in 1934, supports development of inventions at Penn State and fosters related research. The Board of Directors annually makes recommendations for support of research, based on Penn State faculty proposals. Research Corporation, New York, evaluates University inventions for patentability and marketability, patents those having the highest potential, and searches for licensees. Both units share licensing royalties. The PRC spends its income to support University research; Research Corporations (New York) pays inventors royalties and patenting and licensing expenses.

Questions about inventions procedures should be addressed to Dr. Richard G. Cunningham, vice president for research and graduate studies and secretary of the PRC, or to Dr. Robert F. Custard, University patent counsel.

When Firma E. Fike started working at the University, she felt she knew a good thing when she saw it and decided to stay with it. "I spent all of my 21 years as a food service worker in Redifer Dining Hall," she notes. "I was completely satisfied with the place so I figured there was no use moving on."

"When I first started to work in the dining hall, I was amazed at how large everything was in the kitchen. . . . the ovens, the kettles, the quantities of food. Coming from a small family, I just wasn't used to seeing that."

One of Ms. Fike's favorite aspects of her job was her contact with the students. "I just loved the young people," she says. "When they heard that I was retiring, they were shocked. Some of the graduating students said that I couldn't leave before they did, but I told them there would be someone else there to look after them. They sure made it hard to leave. There was a lot of hugs and kisses when I left."

Not only the students, but supervisors and co-workers provided fond memories for Ms. Fike's retirement in the form of a party. "It was the nicest party I ever had," she says. "It was also the first party that I ever had, so I really enjoyed it all the more."

Ms. Fike spends her spare time gardening, sewing and doing "fancy work" — embroidery and crocheting. She also enjoys taking bus trips and has travelled to Virginia and Longwood Gardens since her retirement. "I really want to go to the World's Fair and a few other places if I can manage it," she says.

A resident of Howard, Ms. Fike has one son, Larry, who is employed as a painter in Physical Plant.

Samuel B. Althouse, janitorial foreman at Berks, from Aug. 3, 1972, to Aug. 3.

Paul Johnston, auditor, the Controller's Office, from Oct. 21, 1963, to July 1.

Ruth E. McClure, food service worker, Housing and Food Services, from Oct. 12, 1970, to June 30.

Clair F. Merryman, vending machine servicer with Housing and Food Services, from Nov. 24, 1967, to May 29.



Zeijko Kujundic, professor of art at the Fayette Campus, designed and created this sculpture at the Uniontown Jewish Community Center to commemorate the Holocaust. In all, 135 tons of rock were used to construct the 16-foot-high monument.

Marjorie M. Miller, food preparer with Housing and Food Services, from Sept. 23, 1966, to May 27.

Mary T. Olejarski, residence hall worker at Behrend College, from Feb. 1, 1969, to April 5.

James H. Paul, safety and police services specialist at Capitol, from July 27, 1970, to June 2.

Clarence S. Peters, repair service sanitzer with Housing and Food Services, from July 6, 1964, to April 15.

Rodney K. Richardson, foreman, Airport Operations, Office of Business Services, from Sept. 22, 1971, to June 30.

Gertrude A. Rodgers, senior clerk, Student Administrative Services, from March 8, 1972, to June 30.

Ella C. Seidel, acquisitions clerk at Capitol, from Sept. 9, 1968, to Aug. 15, 1969, and July 27, 1970, to June 30.

Elizabeth J. Smith, secretary at Hershey, from June 12, 1972, to June 16.

Wynn C. Walker Sr., maintenance worker in the Office of Physical Plant, from June 17, 1972, to June 29.



Celebrating her 25th year with Penn State is Grace I. Miller, manager, Continuing Education Budget Accounting.

Calendar report

The Calendar Conversion Council has forwarded to President Oswald a recommendation calling for a change in the semester calendar from 14 to 15 weeks of instruction.

The option was one of three examined by Council in an effort to achieve a nine-period day needed to accommodate the schedule within general classroom space and minimize individual student schedule conflicts.

Under the recommendation, a week would be added to each semester, and class meeting times would be reduced from 55 to 50 minutes on Monday/Wednesday/Friday and 80 minutes to 75 on Tuesday/Thursday.

James B. Bartoo, Council chairman, noted that this alternative would produce precisely the same number of clock hours per credit as is the case under the present term calendar.

The proposal also provides for at least two days of study time between the end of classes and the start of final exams each semester. It would require that fall classes typically begin on the Monday before Labor Day, with the arrival date for freshmen about a week earlier.

Council members favoring the recommendation said it supports the philosophy underlying the conversion to a semester schedule and would improve academic quality. Chris Hopwood, president of the Undergraduate Student Government's Academic Assembly, said he felt most University students would favor the proposed change.

Options rejected by the Council provided for maintaining the 14-week schedule but would have extended the length of the regular class day or added Saturday and evening classes.

The proposals for creating a nine-period day were studied as a result of a survey which indicated problems in fitting the semester schedule in the general classroom space available at University Park. While revised figures show the projected utilization rate to be 76 percent, representatives of the Registrar's Office said this would be a "tight fit."

High schoolers invited to visit

In early June, more than 120,000 high school juniors received a brochure introducing them to Penn State and encouraging them to visit one or more campuses over the summer.

At University Park, the formal "Spend A Summer Day Program" is scheduled for the following dates — July 30, Aug. 6, 13 and 20. The schedule of events on these dates includes morning tours of campus, displays in the HUB, a general orientation in the early afternoon, and a visit to the College of the student's choice.

Although prospective students are welcome in the Admissions Office any weekday during the summer, faculty and staff members are encouraged to refer prospects to the special "Spend A Summer Day Program" whenever possible. Detailed information can be obtained by calling the Admissions Office at 865-5471.

Arts programs accredited

The National Association of Schools of Art and Design has accredited the following programs in the University's School of Visual Arts:

The four-year Bachelor of Science in Art Education, Bachelor of Arts and Bachelor of Fine Arts; the one-year Master of Arts in Studio Art; the two-year Master of Fine Arts; the one-year Master of Education and Master of Science, both in Art Education; and the three-year Doctor of Education and Doctor of Philosophy, both in Art Education.



President Oswald enjoys a visit with the Lion Ambassadors.

Lion Ambassadors seek student involvement

Surveys have shown that many undergraduate students are not aware of the activities of the Penn State Alumni Association or the fund-raising efforts of the Office of Gifts and Endowments.

The Lion Ambassadors, though, are aware of both.

This group of undergraduate students, as its name implies, is a diplomatic corps intended to foster goodwill toward the University.

As such, it conducts campus tours and hosts prospective students for the Office of Admissions, sends representatives to alumni club meetings around the State and helps with special events such as the recent Penn State Day at Hersheypark.

But the group's main effort takes place on campus at University Park.

"The Lion Ambassadors' main function is to inculcate students with the idea that their involvement with and support of the University should not end with their graduation," says John W. Black, associate executive director of the Alumni Association.

"Indeed, the group's main function is to instill in students the idea that their involvement with the University can — and should — continue for the rest of their lives."

Irvin H. Kochel, assistant vice president

for administration, heads the Lion Ambassadors organization. Advisory to him are Mr. Black, George Moellenbrock and Marsha Kyper of the Office of Gifts and Endowments, and John McCauley of Student Affairs.

"The Ambassadors were organized at a retreat at Stone Valley last January," Mr. Black recalls. "It was one of the coldest weekends of a cold winter, but the Ambassadors' enthusiasm was not chilled in the least."

As originally conceived, the organization was to have about 50 members, representing all walks of student life.

"We received applications from some 130 students," says Mr. Black, "and after carefully interviewing and screening the applicants, we decided to accept 61 as members of the charter group. Of these, only 10 were seniors, so we'll have a strong and experienced group to begin next year."

Next year's activities will include the continuation of such projects as addressing various student groups to promote an awareness of the purposes of the Penn State Alumni Association and the Office of Gifts and Endowments.

In addition to telling students about these offices, the Lion Ambassadors help

out with their programs.

"This past year, for example, the Lion Ambassadors helped the Office of Gifts and Endowments conduct phonathons for scholarships and academic enrichment programs," Mr. Black reports, "and they visited and spoke with alumni at club meetings throughout Pennsylvania and neighboring states."

Next year, the Lion Ambassadors will help the Alumni Association conduct alumni receptions at the Nittany Lion Inn after each home football game. In the past, a reception was held only after the Homecoming game.

Another of the Ambassadors' projects for '82-83 is to resurrect the *Student Handbook*, to give new students an introduction to Penn State's history and traditions.

The Ambassadors also will continue to help host alumni functions on campus and to assist with such special projects as Penn State Day at Hersheypark.

"While the organization has only been functioning since January," Mr. Black observes, "it already has proven its value in creating an awareness of a student's ongoing opportunities to remain involved with the University — as a student and as an alumnus."

Six funds, awards established

The establishment of the following funds and awards has been announced:

— The College of Earth and Mineral Sciences Memorial and Grant-in-Aid Fund recognizes outstanding students in the College.

Gifts and grants to the College have provided the initial principal for the fund, which will provide grants-in-aid for undergraduate or graduate students who have demonstrated academic or professional excellence, participated in campus or community activities and need financial assistance.

— The Liberal Arts College Endowment Fund will supply money for approved needs not funded from other sources.

Its initial principal was received from alumni, faculty members and friends of the College. The fund will help support faculty research, visiting lecturers, specialized educational equipment and international programs, among other things. It will also provide financial assistance to liberal arts students.

— The Friedman Real Estate Scholarship, established to recognize business administration students interested in real estate, will be funded by annual contributions from Sidney Friedman, a 1944 Penn State graduate in

journalism, and his sons Edward A. and Ronald M. Friedman, all of State College.

— The Harold H. Johnson Memorial Award at the Mont Alto Campus recognizes outstanding sophomore students majoring in engineering.

Family, friends and associates of the late Mr. Johnson, an associate professor of engineering at the Campus from 1963 until 1980, have contributed the initial funding for the award.

— The F. Yates Borden Memorial Fund has been established for academically talented students in the forest science option.

The initial principal of the fund was received from friends and colleagues of the late Dr. Borden, associate professor of forest biomechanics from 1963 until his death in 1977.

— The Fabri-Kal Foundation Scholarship has been created to recognize outstanding high school graduates from the Hazleton area who are planning to enroll at Penn State.

Funds for the scholarship will be donated annually by Fabri-Kal Company, a plastics and plastic bottle manufacturer. Fabri-Kal's national headquarters are in Kalamazoo, Mich. The company also has a local plant near Hazleton.

Museum acquires portrait by Poor

Penn State's Class of 1932 has purchased a self-portrait by the American artist Henry Varnum Poor (1888-1970) for the permanent collection of the Museum of Art.

The creator of Old Main's Land Grant Frescoes, Mr. Poor painted the self-portrait in 1930 while vacationing in Paris. The work was acquired from the estate of the artist for \$10,000.

The self-portrait brings the number of University-owned works by Poor to four. In addition to the Land Grant Frescoes, a portrait of the late University President Ralph Hetzel hangs in President Oswald's suite in Old Main; and "Coal Miners in a Life," painted as a study for the Land Grant Frescoes, hangs in Steidle Gallery as part of the College of Earth and Mineral Sciences museum collection.

The Museum of Art is planning a Henry Varnum Poor exhibition for the fall of 1983. The show will contain examples of Poor's oil paintings, ceramics, drawings and illustrations, and photographs of his murals, frescoes and architectural works.

Faculty/Staff Alerts

Benefits Program improvements

Faculty and staff members are reminded of previously announced improvements in the Benefits Program which will become effective July 1, 1982, for the monthly payroll and June 25, 1982, for the biweekly payroll. The improvements are

as follows:

- Increase in the amount of free life insurance from \$3,000 to \$4,000.
- The cost for full dependent coverage in the health care plan will be reduced by approximately 50 percent as follows:

	PRESENT CONTRIBUTION		EFFECTIVE 7-1-82		EFFECTIVE 6-25-82	
	Month (Year)	Biweekly (Year)	Month (Year)	Month (Year)	Biweekly (Year)	Month (Year)
Eligible Dependent						
Spouse	\$ 9.01 (108.12)	\$4.16 (108.16)	\$4.51 (54.12)	\$2.08 (54.08)		
Child or Children	7.16 (85.92)	3.30 (85.80)	3.59 (43.08)	1.65 (42.90)		
Spouse & Child or Children	10.41 (124.92)	4.80 (124.80)	5.21 (62.52)	2.40 (62.40)		

NOTE: A faculty or staff member hired prior to July 1, 1980, who elected only portions of the dependent health care

coverage will have rates reduced proportionately to the above reductions.

TIAA contribution rate determined

The University makes a contribution to the Teacher's Insurance and Annuity Association (TIAA) on behalf of each faculty and staff member who belongs to that retirement program. The retirement law which permitted the University to use TIAA as an alternate to the State Employees' Retirement System (SERS) also states that the amount the University contributes to TIAA shall be no more than the rate the actuaries of the retirement board determine to be necessary to fund

the SERS adequately.

The amount is reviewed each year by the actuaries, and it may increase or decrease. From July 1, 1981, through June 30, 1982, the amount has been 6.50 percent of salary. The rate which will be in effect from July 1, 1982, through June 30, 1983, will be 7.83 percent of salary.

The contribution rate by faculty and staff members to either retirement system will remain at 5.00 percent of salary.

Asbestos materials to be replaced in Hamilton Hall during summer months

Hamilton Residence Hall in the West Halls complex is undergoing an extensive renovation, according to William H. McKinnon, assistant vice president for Housing and Food Service.

Approximately 90,000 square-feet of asbestos-containing ceilings in rooms, corridors and lounges will be removed and replaced with plaster. The entire fire alarm system will be replaced and smoke detectors installed in each of Hamilton Hall's 362 student rooms.

The decision to remove the ceilings came after consultation with University Safety Services officials and follows a review of the most current scientific studies available on asbestos, Mr. McKinnon explains. It was based on concerns about the condition of the ceilings which contain trace amounts of asbestos.

"It's important to note that the ceilings in Hamilton are not dangerous to residents at this time," says Howard O. Triebold, Jr., manager of Safety Services. "We check for evidence of asbestos four times each year and also work with the Office of Physical Plant to maintain a regular retest program. The presence of asbestos itself doesn't constitute a danger, rather the condition of the ceiling is the key."

Safety Services inspectors, however,

have found instances of holes punched in ceilings as well as other signs of abnormal wear and tear. Mr. Triebold says that the ceilings of Hamilton Hall, built in 1949, are showing the cumulative effects of student use and abuse over this 32-year period.

The general contractor for the renovation project is Berkebile Brothers Inc. of Johnstown. Work began May 27 and is to be completed by Aug. 13.

The building will be sealed off internally while the work progresses, and the contractor will monitor air samples outside the building to ensure that asbestos does not escape. Prior to opening the building for Fall Term, air sampling and a visual inspection of all areas will be conducted.

Mr. McKinnon says that replacement of the Hamilton Hall fire alarm system has been planned for some time and the ceiling removal will provide an opportunity to do that work also.

"The whole project will cost approximately \$500,000," he says. "The funds will come from Housing and Food Service's major maintenance reserve. No tuition or tax dollars will be used. Housing and Food Service is a self-sustaining unit and receives no general revenue funds from the University."

A total of 703 male students are housed in Hamilton Hall each year.

Renovation won't affect HUB food service

Food service in the HUB will not be interrupted by renovations to the ground floor during the Summer Term.

The Fast Break will serve breakfast from 7 to 9:30 a.m. The Fast Break, the Green House, Food for Thought and the Founders Room will be open for lunch, and the Green House and Food for Thought will serve dinner.

All facilities will be open Monday through Friday, with no food service

available Saturday or Sunday throughout the Summer Term.

Construction is proceeding on a Dough to Go pastry and beverage shop, located in the former student organization offices. The shop is scheduled for completion by the beginning of Fall Term.

The Celler, a pizza shop/deli/mini-store combination that will replace the Penn State Bookstore and post office, will open sometime in Spring 1983.



Dr. Leo M. Renaghan, assistant professor and head of the Food Services and Housing Administration Program, recently presented a check for \$1,000 from the Marriott Corporation to University Libraries Dean Stuart Forth to buy library materials in the field of food services and housing administration. The gift was part of a larger contribution to the FSHA Program. Dean Forth commented: "Marriott wants to help maintain the high quality of Penn State's FSHA Program, and this gift will enhance the quality of resources available for those engaged in research in that field."

From Pattee

Computerized linkage to RLG data base developed at Penn State

The Pennsylvania State University Libraries have scored an important 'first' by developing a computer linkage to give them access to the nationwide information resources of the Research Libraries Group, Inc.

RLG, which is located on the Stanford University campus, announced the development of the interface, a milestone in library automation. RLG is a consortium of the nation's leading research institutions.

The link — or 'terminal bridge' — between RLG's bibliographic data base and the University Libraries was developed at Penn State under the direction of Gordon W. Rawlins, assistant dean, and Eric Ferrin, director of Library Computer Services, in cooperation with RLG staff members.

"Their efforts will enable the Libraries to transfer bibliographic records instantaneously," explains Libraries Dean Stuart Forth, "and will, in addition, reduce significantly the amount of local processing and programming support that would otherwise be needed to add this information to the library data base."

"This is a major step in the advancement of distributed processing of records and places Penn State in the forefront of national library developments in this area."

CASSIS makes patent searching easier job

Trying to locate information on one or more of the some 4,300,000 U.S. patents was to be a trying experience.

Now, a computerized database system at U.S. Patent Depository Libraries — including Pattee Library — makes finding patent information much easier.

"In the past, information about patents could only be found by searching through a series of bound index volumes," says Diane Smith, head of the Documents Section.

"With CASSIS, which stands for Classification and Search Support Information System, finding patent information is much quicker and easier."

Ms. Smith explains that the 4,300,000 U.S. patents are divided into about 350 major technological classifications, with more than 108,000 subdivisions. The patents are filed in numerical order,

according to when the patent was assigned.

"The previous filing system made it impossible to search for patents without digging through the indexes," she says. "With CASSIS, however, a researcher may search for data in a number of ways, one of which is by looking for key words in the patent title."

She adds that researchers may obtain a list of all patents assigned to a particular class or subclass. They also may choose a particular patent number and ask for all the classes and subclasses into which that patent has been classified.

"Researchers may further simplify the search by reviewing a hierarchical listing of subclasses within a particular class," she says.

Ms. Smith observes that these features allow the focus of a search to be expanded or narrowed more easily than in the past, giving researchers more flexibility while also saving them time.

"The actual patents are still found in the library's collection, but they are made much more accessible by this system," she says.

CASSIS, she notes, was developed by the ABA Corporation of Arlington, Va., under contract to the U.S. Department of Commerce Patent and Trademark Office.

Persons wishing to use CASSIS at Penn State should visit the Documents Section in Room C-203, Pattee Library, where directions can be obtained from Ms. Smith, Diane Garner or Jack Sulzer.

University student wins fellowship

Mary Anne Grover, a doctoral candidate in the Division of Education Policy Studies, has been awarded a Charlotte W. Newcombe Doctoral Dissertation Fellowship by the Woodrow Wilson National Fellowship Foundation.

Forty-five fellowships have been awarded to doctoral candidates in the humanities and social sciences doing research and writing that will help to clarify ethical and religious values. The winners, who represent 23 of the nation's most prestigious graduate schools, were chosen from 382 applicants. They will receive stipends of \$6,000 for a 12-month period and an allowance of \$1,000 for research and related expenses.

Ms. Grover, of Markham, Ill., received her undergraduate degree at Illinois State University. Her proposed dissertation title is "Catholic Teacher Preparation: Its Literature and Its Practice in Homestead, Pennsylvania, 1890-1920."

News in Brief

Scholarship fund set for physically disabled

A scholarship fund for physically disabled students will be established at the University for the 1982-83 academic year. The Charlotte W. Newcombe scholarship is intended to meet the financial needs of disabled students, with emphasis on special disability-related expenses that aren't covered by other sources.

The scholarship is funded by a \$20,000 grant from the Charlotte W. Newcombe Foundation of Princeton, N.J. Mrs. Newcombe, a Philadelphia philanthropist, died in 1979. The Foundation provides scholarship funds for physically disabled students and returning women students at 50 colleges and universities.

Penn State's Office of Services for the Disabled anticipates awarding the scholarships beginning in Fall 1982. Applicants should call services coordinator Brenda Hamelster at (814) 863-2020, or write her at the Student Assistance Center, Room 135 Boucke Building, University Park.

The scholarship will pay for readers, notetakers, interpreters, transportation and special instructional materials for physically disabled students who are seeking undergraduate or graduate degrees on a full- or part-time basis.

University officials attend technology conference

Dr. Richard G. Cunningham, vice president for research and graduate studies, and Dr. H. LeRoy Marlow, director of the Pennsylvania Technical Assistance Program (PENNTAP), were in the Pennsylvania delegation invited by Gov. Dick Thornburgh to the Advanced Technology Conference sponsored by the Coalition of the Northeastern Governors at Providence, R.I., on June 14.

The Coalition scheduled the conference to discuss university, business and state officials could exchange ideas and methods for fostering innovation and new technologies in the Northeast. Gov. Thornburgh, chairman of the Coalition's economic development committee, focused much of the program on ways of relieving shortages of skilled technical and scientific personnel, strengthening joint research and development, and expanding the role of universities in promoting economic development.

Dr. Marlow was moderator for a session on innovative programs for strengthening the link between universities and small businesses. Two other problem-solving sessions were on reducing barriers to university-business cooperation, and easing the technical manpower shortage.

Others in the Pennsylvania delegation included Secretary of Commerce Geoffrey Stengel; the Director of the Governor's Office of Policy and Planning, Dr. Walter Potts; Westinghouse Board chairman Robert Kirby; PennDOT secretary Thomas Larson, and representatives from Pitt, Carnegie-Mellon, and Penn.

Women scientists discuss professional barriers

The issues that make it difficult for a woman scientist before and after she receives a Ph.D. were addressed at a Women in Chemistry Symposium held earlier this week at the University.

The Symposium was sponsored by the Women in Chemistry Committee of Penn State's Chemistry Department. Dr. Barbara Garrison, assistant professor of chemistry, serves as advisor to the graduate students on the Committee.

According to a recent national survey, women constitute 29 percent of all students who receive a B.S. degree in chemistry and 28 percent of those who

earn a master's. However, of this number, only 16 percent continue on to earn a Ph.D.

Topics discussed during the symposium included opportunities for women in chemistry, barriers experienced by women chemists and integration of career and personal life.

Joining in the symposium were Penn State Ph.D. in chemistry recipients Vivian Valenty of Staley Manufacturing Company and Martha Teeter of Boston University. Dr. Mildred Cohn of the University of Pennsylvania also participated.

In addition to contributing to the symposium, the guests presented scientific seminars.

Dairy Science Association to hold annual meeting

More than 2,000 animal scientists and students will take part in the 77th annual meeting of the American Dairy Science Association, to be held June 27-30 at University Park.

Serving as general chairman of the conference is Dr. Lawrence Specht, professor of dairy science Extension. In addition to the regular technical sessions, a symposium will be held June 26 in honor of Dr. John O. Almqvist, professor of dairy physiology and a co-winner of the 1981 Wolf Foundation Prize.

July 7 deadline set for Fall Term mail registration

Graduate and undergraduate degree candidates, as well as provisional undergraduate students, who are enrolled at the University Park Campus for Spring or Summer Term, are eligible to register for Fall Term by mail. They may do so from now until July 7.

Students new to the University Park Campus for Fall Term cannot register by mail. Included in this category are: first-term freshmen, transfers from Commonwealth Campuses and advanced standing students from other institutions.

Continuing degree students who fail to preregister and nondegree students are also ineligible to register by mail.

To register by mail, students should file a preregistration form at the Registrar's Office in Shields Building or at the HUB Desk and deliver a stamped self-addressed, business-sized envelope to the Registrar's Office before July 30.

After students who preregister in this manner receive their pink slips, they have three options. They can sign a registration by mail card and mail it to the Registrar's Office. They can report to the Registrar's Office during the early registration period, which will be Aug. 16 to Aug. 20. The third option is to report to the Intramural Building at the time and date shown on the pink slip.

Students who register by mail or early registration cannot attend registration at the Intramural Building. Changes to their schedules can only be made through drop/add procedures.

Computerized systems

(Continued from page 1)

"Now is the time for people to make their needs known," Dr. Dunham said. "Once the system has been designed, it will be too late."

Each working group is responsible for a specific area of information related to students. The committee coordinates the efforts of the six groups.

Dr. Dunham urged faculty and staff members with concerns about the new system to contact either the chairman of the appropriate working group or a member of the committee (see list on page 1).

United Way

(Continued from page 1)

college of education at Illinois State University for eight years before coming to Penn State in 1974.

He has been a member of the National Teacher Examinations Policy Council of the Educational Testing Service and a member of the board of directors of The Pennsylvania Council on Economic Education. During 1977-78 he served as president of the American Association of Colleges for Teacher Education.

As chairman of the University Park United Way campaign, Dean Hermanowicz says he wants volunteers to "get information on United Way to the more than 7,000 employees at University Park and give them an opportunity to participate in the campaign. Our financial goal in 1982 will be to raise \$120,000 with 35 percent of University employees participating." In 1981 more than \$115,000 was given by 29 percent of the faculty and staff members.

The campaign, he adds, will begin in late August with the advanced gifts solicitations from University administrators, deans, associate and assistant deans. In late September, a combined community-University kick-off is planned for the campaign which will run from Sept. 30 through Oct. 9.

Appointed associate United Way chairpersons for the University Park campaign are: Fred Ciletti, Advanced Gifts; Jane McCormick, Student Affairs; Donald Dickinson, Admissions; Steve Garban and George Lovette, Finance and Operations; William Asbury, Provost; John Leathers, Commonwealth Educational System; Stuart Forth, Libraries; Irvin Kuchel, Administration; Donald Johnson, Undergraduate Studies; Bea Swilt, Vice President for Research; Richard Bland, Applied Research Laboratory.

Robert Flipse, Agriculture; George Rimback, Arts and Architecture; Eugene Kelley, Business Administration; John Cahir, Earth and Mineral Sciences; Henry Hermanowicz, Education; Wilbur Meier Jr., Engineering; Karl Stoeckelke, Health, Physical Education and Recreation; Edward Ellis, Human Development; Robert Murray, associate chairman, and Robert Green and Richard Dorman, assistant chairmen, Liberal Arts; Leonard Zimmerman, Science; and James Bartoo, Graduate School.

Exchanges

(Continued from page 1)

encouraged to participate in short-term exchanges and consultative activities," Dr. Eddy said.

Cameroon, a nation of about seven million people with a land mass slightly larger than California, became a republic in 1960. It lies on the western coast of Africa, and is bounded on the north by Nigeria and Chad, on the east by the Central African Republic, and on the south by the People's Republic of Congo, Gabon and Equatorial Guinea.

Formerly, Cameroon was composed of two states: East Cameroon, originally the Republic of Cameroon, which was a French mandate and trusteeship; and West Cameroon, formerly British Southern Cameroons. A united republic was declared in May of 1972.

Cameroon's economy is mainly agricultural. The nation is largely self-sufficient, exporting such commodities as cocoa, coffee, palm products, leather, and timber. Aluminum processing is the most important manufacturing industry. Trade is particularly vigorous with France and the United Kingdom.

Cameroon is bilingual, about 80 percent of its inhabitants speaking French and the remainder English.

From the Press

Bishop of Everywhere: Bernard Shaw and the Life Force. By Warren Sylvester Smith. 191 pages, \$16.95.

Warren S. Smith, professor emeritus of general education in the arts, has written a book one advance reader has termed "a warmly sympathetic spiritual biography."

The Prologue presents three aspects of Shaw's personality as they are revealed in John Bull's *Other Island*: the self-aggrandizing politician (Broadbent), the ironist-satirist (Larry Doyle), and the religious seeker (Peter Keegan). It is the "Keegan-Shaw" that is the principal subject of the book.

Part I reviews the birth and development of the Life Force idea as an alternative to "valueless agnosticism" in Shaw's struggle against cynicism, the conventional response to World War I. Shaw's unpublished lecture notes of 1906 on Darwin and Darwinism are related to his *Methusalem Preface* of 1921.

Part II explicates the Life Force concept of evolution by comparing it with that of the Neo-Darwinians (Julian Huxley), and that of the scientific theologian, Teilhard de Chardin. For Shaw, the central challenge to Darwinism is not so much how evolution happens as why it happens — a challenge confronted today by an increasing number of both scientists and theologians.

Part III explains Shaw's difficulty in reconciling the Life Force idea with the reality of the modern world, especially with political irresponsibility and ineptitude. A brief "Envoi" evaluates the significance of the Life Force for our times and for the future. The Life Force was the central article of faith for Shaw the salvationist poet — albeit a prophet armed with wit, a "laughing prophet."

Professor Smith's previous books include *Shaw on Religion*; *The London Heretics, 1870-1914*; and *The Religious Speeches of Bernard Shaw*. He directed six of Shaw's plays while teaching at the University.

The Vengerova System of Piano Playing. By Robert D. Schick. 116 pages, \$12.95.

Professor of piano at West Chester State College, Dr. Schick studied for almost a decade with Isabelle Afanasievna Vengerova, whose pupils have included pianists Gary Graffman, Lilian Kallir, Jacob Lateiner and Sylvia Zarembo, as well as the composer-conductors Samuel Barber, Leonard Bernstein, Lukas Foss and Thomas Schumann.

Vengerova (1877-1956) was born in Russia, came to the United States in 1923, and taught at the Curtis Institute and the Mannes College of Music.

After a description of Vengerova's personality, Dr. Schick describes her system in respect to posture, hand position, accents, "singing tone," fingering and pedaling. A final chapter discusses the merits of a relatively rigid system of music instruction, concluding that Vengerova's approach encouraged "variety with an underlying unity." The book is illustrated with photographs and excerpts from musical scores.

Dr. Schick, a concert pianist and critic, earned his doctorate in piano performance and pedagogy at the Eastman School of Music.

King of Prussia gets new phone numbers

The following telephone numbers have been assigned to the University's King of Prussia Center: 215-265-7640 and Network: 325-2009.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., July 1, 1982. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (FEPS) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

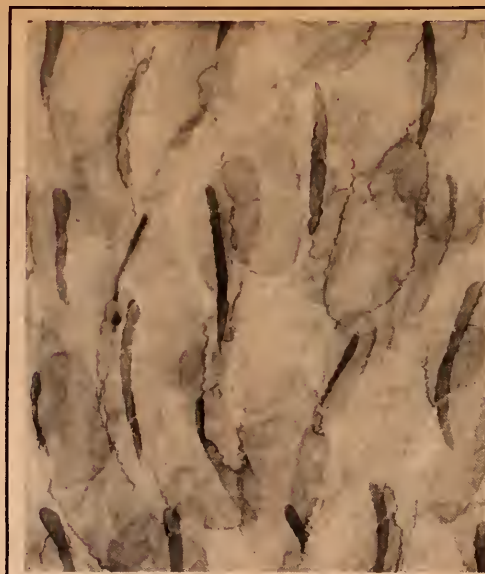
COORDINATOR, CAMPUS RESIDENTIAL LIFE, ALTOONA CAMPUS — Responsible to the Dean of Student Affairs for carrying out specific responsibilities for the Residence Hall Program, including administration of conduct standards system; selection and supervision of student assistants; developing cultural, social, and educational programs; and counseling of students. A bachelor's degree or equivalent, plus at least one to two years of effective experience required, or a master's degree or equivalent in student personnel or related field with three to six months of residence hall experience. This is a continuous 10-month appointment.

AREA REPRESENTATIVE, COMMONWEALTH EDUCATIONAL SYSTEM, ALLENTOWN CAMPUS — Responsible for the functions of development, organization, operation, and administration of Continuing Education programs and services within an assigned geographic district. A bachelor's degree or equivalent, plus two to three years of effective experience in business, industry or education.

CONTRACTS AND PROPOSALS SPECIALIST, VICE-PRESIDENT FOR RESEARCH AND GRADUATE STUDIES, UNIVERSITY PARK — Responsible to the Associate Director for meeting the requirements of the University and the various Federal agencies with respect to the negotiation of contracts, subcontracts, and grants and to assist with proposals, analyses, reviews, and recommendations as to acceptance of contracts and grants with the various Federal agencies and non-federal organizations. Negotiate prime contracts, agreements, subcontracts, and grants involving research, instruction, continuing education programs with the Federal and State Government, and others. As required, assist with the preparation of proposals; analyze and review them with the faculty in the colleges and departments for conformity with University policies and with the proposal requirements of prospective sponsors. Bachelor's degree or equivalent in business, with some accounting training, plus at least four years of effective experience. Familiarity with University and governmental contract/grant requirements and accounting procedures and policies desirable but not required.

ASSISTANT WRITER-EDITOR, COMMONWEALTH EDUCATIONAL SYSTEM, UNIVERSITY PARK — Responsible for editing and writing duties required in the production of written, visual or audio instructional material. Bachelor's degree, or equivalent, in English or journalism and one to two years of effective editing and writing experience required. THIS IS A FIXED TERM 1 POSITION FUNDED THROUGH JULY 1, 1983.

UNDERGRADUATE STUDIES ADVISER, DIVISION OF UNDERGRADUATE STUDIES, UNIVERSITY PARK — Assist with the conduct of the academic advising and information support programs and services of DUS. Principal duties include: participate as educational counselor in University's Freshman Testing, Counseling and Advising Program; serve as academic adviser for students enrolled in DUS; provide consultation and advising and information support to faculty and administration, especially in cooperative advising programs established by several academic units and DUS; perform various other professional functions as assigned. Ph.D. or D.Ed. or equivalent with at least two years' effective experience. Some college teaching experience desirable. Position is Fixed Term 1, beginning July 1, 1982, for 12 months. Subject to an annual performance review and funding renewal, appointment may be extended for additional one to two years.



"Late Bloom in November," a detail from a watercolor by Lois J. Gardner, on display through June 25 in Kern Gallery.

DATA MANAGEMENT SPECIALIST, APPLIED RESEARCH LABORATORY, UNIVERSITY PARK — Responsible to the Supervisor, Computer Services, for planning, developing, implementing and maintaining a data management system for the Applied Research Laboratory. Establish and operate a data-base system to implement the data management system of ARL combining all aspects of resource management. Maintain liaison with University computer facilities to develop and maintain a system for transmittal of data. Develop and maintain programs for ARL technical and administrative departments. Bachelor's degree or equivalent in business administration, management or related field, plus one to two years of effective experience; master's degree preferred.

TECHNICAL WRITER-EDITOR, APPLIED RESEARCH LABORATORY, UNIVERSITY PARK — Responsible to the Manager, Technical Publications, for writing, editing and coordinating the preparation of administrative

and technical reports and publications for external and internal distribution. Plan, write and edit technical and administrative reports, working from drafts or interviews with scientists, to illustrate the achievements of the Applied Research Laboratory. Bachelor's degree or equivalent in physical sciences or engineering, with courses in scientific/technical writing, plus one to two years of effective experience.

RESEARCH COORDINATOR, GIFTS AND ENDOWMENTS, UNIVERSITY PARK — Perform ongoing research on major gift prospects; collect and analyze information; summarize and evaluate potential to give; identify prospects for cultivation. Respond to requests for prospect information from staff and other University personnel. Provide counsel on research methodology. Bachelor's degree or equivalent in the humanities or library science preferably; other degrees considered. One to two years of related experience in research activities preferred.

Research information requested

Members of the faculty who wish their publications and professional activities listed in the University's annual bibliographies should send this information to their department heads, research deans or intercollege research unit directors.

Detailed instructions for the submission of these listings were given in a May 1 memo from Dr. R. G. Cunningham, vice president for research and graduate studies. Copies of this memo are available from department heads or research deans.

Commonwealth Campus faculty should send their listings to the department head at University Park, with a copy to their campus director and Commonwealth Campus dean.

Contributions should be in the department head's hands in sufficient time to reach the Office of the Vice President for Research and Graduate Studies by July 31.

The bibliography is printed in two publications, *Research Publications and Professional Activities and University Publications, Reports to Agencies, and Reviews*. To be included are research papers and articles, books that have been reviewed and printed by established

publishers, substantive and/or final reports sent to state and federal agencies, information materials (articles and reports and printed in non-referred journals), and novels, short stories, musical compositions, exhibits of fine arts, inventions, patents and any other activity that meets recognized standards of excellence in its field.

More detailed information is contained in the May 1 memo.

INTERCOM
Department of Public Information and Relations
312 Old Main
The Pennsylvania State University
University Park, PA 16802
Address Correction Requested

Calendar

June 24 — July 4

Thursday, June 24

Festival Theatre, Lindsey and Crouse, *Life with Father*, 8 p.m., The Pavilion Theatre. Also June 25-27, June 29-July 4 and July 6-11. Sunday performances at 7:30 p.m.

Friday, June 25

Pass/Fail (ten week Summer Term), through June 29.
Commonplace Theatre, *La Cage Aux Folles II*, 7 p.m.; *The French Lieutenant's Woman*, 9 p.m., Room 112 Kern. Also June 27.

Saturday, June 26

France-Cinema, Brusati, *Bread and Chocolate*, 7 and 9 p.m., Room 112 Kern. Also June 28.

Monday, June 28

Penn State Scholars Program, first session. Also June 29.

Tuesday, June 29

Course drop deadline for ten week Summer Term.
GSA Explazagana film, Warner Brothers cartoons, dusk, Fisher Plaza.

Wednesday, June 30

Late registration deadline (eight week Summer Term).
Add deadline (eight week Summer Term).
Penn State Scholars Program, second session.
Also July 1.
Commonplace Theatre, *The Graduate*, 7 p.m., Room 112 Kern. Also July 1.

Thursday, July 1

I.B.M. Personal Computer Users meeting, noon, 220 Computer Building.
Festival Theatre, Rodgers and Hart, *Babes in Arms*, 8 p.m., The Playhouse. Also July 24, 6-11 and 13-18. Sunday performances at 7:30 p.m.

Saturday, July 3

Deadline for August graduates to deliver doctoral theses to committees.

Exhibits

Chambers Gallery

Gallery hours: 9 a.m. to 5 p.m.-weekdays.
Scott Meyer and Brent Wilson, ceramics, through June 27.

CPFA Children's Art Exhibition, opens July 1.

Kern Gallery

Gallery Hours: Monday through Saturday, 8 a.m.-11 p.m.; Sunday, noon-11 p.m.
Bridget O'Leary, ceramic sculptures, through June 25.

Robin Rine, pressed sculpture, through June 28.

State College Weaver's Guild, rug exhibition, through June 28.

Lois J. Gardner, paintings on paper, through June 25.

Museum of Art

Museum hours: 11 a.m.-4:30 p.m. Closed Mondays, Tues, Sundays. 1:30 p.m.
Medals and sculpture by Dora de Pedery Hunt. Selections from the Museum's collection.

Pattee Library

East Corridor Lobby.
Susan Nusbäum, paintings.
Lending Services Lobby:
Paul Flexner, recent work.
2nd Floor, East Pattee.
Mary Cady Rubinstein, woodcuts, "The Book of Job."

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Steve Garban named senior vice president

The University has promoted its vice president and controller, Steve A. Garban, to senior vice president for finance and operations, effective Aug. 1.

His promotion was approved by the Board of Trustees as part of a reorganization of the fiscal, business and operational management of the University.

The changes were recommended by President Oswald after full consultation with key officers of the Board, including President Walter J. Conti, Vice President Edward R. Book and Finance Committee Chairman Obie Snyder.

"A number of Trustees, especially those with an interest in and responsibility for the financial side of the University," said Dr. Oswald, "have expressed concern to me that Robert A. Patterson, senior vice president for finance and operations, and I would be retiring at the same time next July 1.

"I was asked to see if there were possible steps that might be taken to assure some kind of overlap. After discussion with Mr. Patterson (who will be 65 this fall), he agreed to stay on at least one year after my departure, but requested that consideration be given to a reduction of his heavy workload during the two years prior to July 1, 1984."

Dr. Oswald further noted that the evaluations of Mr. Garban, who is the number two financial officer at Penn

(Continued on page 7)



Steve A. Garban

1982-83 budget is adopted by Trustee board

Trustees of the University have adopted an operating budget for the fiscal year 1982-83.

It is based on the appropriation level for Penn State approved by the Legislature early in June and signed by Governor Thornburgh on June 19. The appropriation increase over last year will be \$7,929 million or approximately 6 percent.

"In light of the state of the economy," this level of increase must be considered equitable. We appreciate the support the Governor and Legislature have given us," said President Oswald.

He noted, however, that Penn State originally had requested an approximately 12 percent increase in State support. That request was made, Dr. Oswald said, because of sharply increasing costs in many areas, among them staff retirement, Social Security and insurance benefits and fuel and utilities.

The budget submitted to the Trustees at their meeting at the Beaver Campus was the product "of extensive and careful planning and analysis" involving students, members of the faculty and the administration, Dr. Oswald said.

"The budget before you for approval leaves out many well justified and badly needed requests," he said, "It provides only for the most critical needs which no longer can be deferred if the quality of the University's educational programs is to be sustained."

(Continued on page 6)

Academic promotions are announced by University

The following promotions are effective July 1:

TO PROFESSOR

Arthur B. Abt, Pathology, Hershey
David A. Anderson, Civil Engineering
John B. Balaban, English
Robert B. Beelman, Food Science
Edward A. Cameron, Entomology
Toby N. Carlson, Meteorology
Priscilla Cohn, Philosophy, Ogontz Campus
Michael M. Coleman, Polymer Science
Joseph C. Conway, Jr., Engineering Mechanics
Paul R. Cornwell, Psychology
Peter Deines, Geochemistry
Laurence M. Demers, Pathology, Hershey
Frank Deutsch, Mathematics
Walter Donlan, Classics
M. Elaine Eyster, Medicine, Hershey
John R. Ezzell, Finance
Frederick G. Ferguson, Veterinary Science
Norman Freed, Physics
Gregory L. Geoffroy, Chemistry
Anne A. Gibson, Theatre
Ian R. Harrison, Polymer Science
John J. Henry, Mechanical Engineering
Benjamin N. Henzley, Business Law
Vilma R. Hunt, Environmental Health Planning Administration
Richard W. Hyman, Microbiology, Hershey
Daniel Katkin, Law
Ronald B. Keiper, Zoology, Mont Alto Campus
David F. Kibler, Civil Engineering

Arthur J. Marsicano, Engineering, Schuylkill Campus
Peter H. Maserick, Mathematics
Morris G. Mast, Food Science Extension
Richard Mayhew, Art
Joseph H. McGahen, Agronomy Extension
Keith Nelson, Psychology
Torrence D. Parsons, Mathematics
Benjamin H. Pubols, Jr., Anatomy, Hershey
Richard A. Queeney, Engineering Mechanics
Zane Smilowitz, Entomology
David Smith, Chemistry, Hazleton Campus
Ronald A. Smith, Physical Education
Frederick C. Trutt, Electrical Engineering
Patricia A. Ward, French and Comparative Literature
Victor Whitman, Pediatrics, Hershey

TO ADJUNCT PROFESSOR

Harry B. Pionke, Soil Science
Andrew S. Rogowski, Soil Physics

TO SENIOR SCIENTIST

Suzanne T. McDaniel, Applied Research Laboratory

TO ASSOCIATE PROFESSOR

Theodore R. Alter, Agricultural Economics
Steven F. Arnold, Statistics

Alegria Bendelac, French, Schuylkill Campus
Bruce L. Benson, Economics
David M. Bressoud, Mathematics
Goong Chen, Mathematics
Juan Fernandez-Jimenez, Spanish, Behrend College
Greg N. Frederickson, Computer Science
Stanley D. Furrow, Chemistry, Berks Campus
Barbara J. Garrison, Chemistry
Suzanne K. Getz, Human Development, Mont Alto Campus
Gerald P. Glyde, Labor Studies
Herbert H. Grossman, Botany, Fayette Campus
John E. Harkness, Veterinary Science
Anne L. Heinsch, Extension Education
Richard Z. Hindle, Labor Studies
Joseph Ja'Ja', Computer Science
Albert R. Jarrett, Agricultural Engineering
Robert G. Jenkins, Fuel Science
Christopher L. Johnstone, Speech Communication, Delaware County Campus
Daniel R. Jones, Landscape Architecture
Theodore R. Kantner, Family and Community Medicine, Hershey
Charles A. Langston, Geophysics
James A. Lynch, Forest Hydrology
Keith H. Marks, Pediatrics, Medicine
Ashok Midha, Mechanical Engineering
Joseph R. Monkowski, Electrical Engineering
Robert F. Munzenrider, Public Administration, Capitol Campus
Murry R. Nelson, Education
Diane Pepe, Art
Harry D. Perison, Music

Lawrence W. Ramsey, Astronomy
Srikanth Rao, Business Logistics
Edward T. Reutzel, Management Science
James L. Rosenberger, Statistics
Anthony A. Salvia, Industrial Engineering, Behrend College
Robert A. Schlegel, Molecular and Cell Biology
Peter H. Schneeman, English and Comparative Literature
Edwards P. Schwenker, Surgery, Hershey
W. Murray Small, Metallurgy, Shenango Valley Campus
Michael A. Smyer, Human Development
Melvin Strauss, Surgery, Hershey
Edward V. Trunk, Engineering, Capitol Campus
Donald E. Velkey, Radiology, Hershey
Clifford H. Wagner, Mathematics, Capitol Campus
James S. Wakeley, Wildlife Ecology

TO ADJUNCT ASSOCIATE PROFESSOR

Clyde C. Berg, Plant Breeding

TO SENIOR RESEARCH ASSOCIATE

Michael L. Billett, Applied Research Laboratory

TO ASSOCIATE LIBRARIAN

Leon J. Stout, Penn State Room

Penn Staters

Dr. Richard C. Bradt, professor of ceramic science and engineering and head of the Department of Materials Science and Engineering, chaired the opening day session on oxide ceramics at the fifth CIMTEC — International Meeting on Modern Ceramics and Technologies in Lignano-Sabbadoro, Italy. He also presented a report on research on dolomite refractories that was conducted by Dr. Gary L. Messing, assistant professor of ceramic science and engineering, and two ceramic science graduate students, Edward Koval and Mao Li.

Dr. Joseph Prewitt Diaz, assistant professor of education and coordinator for bilingual education programs in the Division of Curriculum and Instruction, has been cited by Pennsylvania Education Secretary Robert Scanlon for work with the Emergency School Education Act. Dr. Prewitt was cited for two years of service on an advisory council which established bilingual education areas in public and school libraries in Harrisburg, Bethlehem, Lancaster, Reading and Allentown.

Dr. Paul B. Harvey, Jr., associate professor of history and classics, has returned from a semester's stay at Stanford University, where he served as Bonnell Visiting Professor of Classics.

While at Stanford, he offered a graduate course on Latin epigraphy and undergraduate courses on Rome and Hellenism, served as a consultant to the Green Graduate Library on Renaissance manuscripts of Cicero, and delivered a university lecture on Roman Law and Ideology. In April Dr. Harvey delivered, at the invitation of the Department of Classics at the University of California-Berkeley, seminars on Roman Rhetoric and Aristocratic Privilege.

Dr. Barnes W. McCormick, professor and head, Department of Aerospace Engineering, has been named to the board of directors for the Accreditation Board for Engineering and Technology, Inc. (ABET). He is serving as a representative director of the American Institute of Aeronautics & Astronautics (AIAA).

Dr. Stanley F. Paulson, dean of the College of the Liberal Arts, presented the commencement address at Central Washington University in Ellensburg, Wash., on June 12. He stressed the importance of deepening America's understanding of foreign cultures to the 1,600 graduating seniors.

Dr. Gerhard Reethof, professor of mechanical engineering and director of the Noise Control Laboratory, has been named a Fellow of the American Society of Mechanical Engineers.

The Fellow grade is conferred upon a member who has had at least ten years active engineering practice and who has made significant contributions to the field of engineering. ASME is a technical and educational organization with a membership of some 105,000.

Dr. Guy F. Rindone, professor emeritus of ceramic science and engineering, is the editor of *Materials Processing in the Reduced Gravity Environment of Space*, a book published recently by Elsevier North Holland Press. The book is a compilation of papers presented at a symposium he organized November, 1981, for NASA on behalf of the Universities Space Research Association.

Dr. William R. Schmalstieg, head of the Department of Slavic Languages, has assumed the presidency of the Association for the Advancement of Baltic Studies.

Dr. T. T. Tsong, professor of physics, was invited by the Academia Sinica of The People's Republic of China (The Chinese National Academy of Sciences) to lecture in Beijing and Shenyang in June. In Beijing, he gave two lectures on principles and applications of the atom-probe and the field ion microscope at The National Academy of Sciences, and gave a lecture on recent advances in atom-probe and field ion microscopy at Beijing Institute of Iron and Steel.

He was the keynote speaker at the First Chinese Seminar on Atom-Probe and Field Ion Microscopy in Shenyang, sponsored by The Electron Microscope Society of China. During the two-week visit, he discussed scientific developments in China with officials from various Chinese scientific institutes.

Bookshelf

Dr. Emilia E. Martinez-Brawley, associate professor of social welfare, is the author of *Rural Social and Community Work in the U.S. and Britain: A Cross-Cultural Perspective*, published by Praeger.

Dr. Martinez-Brawley's work is based on research conducted under the auspices of a University Research Initiation Grant in 1980. The 300-page volume deals with the re-emergence of a rural social welfare movement in the United States and the United Kingdom, and compares the recent tenets of social service delivery in those countries. The naturalistic research study is based on extensive field observations and practitioner interviews in the two countries.

The book contains a foreword by Professor Florence Rosetti of the University of Bath, which suggests that the book offers the British practitioner a "model, conceived out of North American and Latin American knowledge and experience, with which to consider the nature, purpose, and role of rural social and community work" in Britain.

Partings

Dr. Richard A. Keppeler, associate professor of agricultural engineering, retired June 30.

Before coming to Penn State in 1962, he was a teacher and scientist in agricultural engineering at Michigan State University. Prior to that, he was superintendent of manufacturing for Fairmont Foods of Detroit. He also was head of the ice cream and butter manufacturing departments at Fairmont Foods.

An active member of the American Society of Agricultural Engineers (ASAE), he has served as chairman of the Food Engineering Division. He also has been a member of the ASAE steering committee and the committees dealing with education, monographs, and development.

He has served on several Penn State committees and in the University Faculty Senate. Active on the Senate Committee on Curriculum Affairs and the College of Agriculture Courses of Study Committee, he has been faculty advisor to sophomores and juniors in agricultural mechanization and to seniors in agricultural engineering.

Dr. Keppeler and his wife, Betty, have been active members of the Centre Squares, a square dance club. They both sing in the choir at St. Paul's United Methodist Church, State College.

Jack B. McManis, associate professor of English, retired June 30 after 25 years of service to the University.

Prof. McManis earned his B.A. and M.A., both in English, at Columbia University. He taught at Queens and Brooklyn colleges before joining the Penn State faculty in September, 1957.

Within the English Department's writing option, he taught courses in composition, fiction and expository writing, and the writing of poetry — his main interest. His poems have been published in a variety of literary publications in the United States and abroad. In addition, he has served as assistant editor of *Pivot*, the little poetry magazine, for the last seven years.

During his retirement, Prof. McManis plans to work on a collection of his poems and to continue teaching in the English Department's poetry workshop.

He and his wife Jean, director of publications at the University, are the parents of a son, Dr. James McManis, a researcher in organic chemistry at the University of Pittsburgh.

"I must have enjoyed Penn State, because you don't stay 35 years in a place if you haven't," says Thomas Stuart Marlow on his retirement as assistant professor of physical education at Ogontz Campus.

"Stu" calls himself "the last of the originals" because he is the last faculty member on campus who made the move in 1950 from the Swarthmore Center to the Ogontz site donated to Penn State by Abby Sutherland. At the old rented Mary Lyon School, where Stu began his Penn State career in 1947, he had to coach at an athletic field with a perpetual "for sale" sign on it.

He claims he really started his association with Penn State 52 years ago when he traveled to the University Park Campus in an open Nash to see his uncle graduate. He received his B.S. in 1939 and his M.Ed. in 1942.

Active in Little League through the years, Stu plans to continue his association with that group and continue officiating year-round at Ogontz. He also will work part-time at "Accent," the boutique run by his wife and son, both Penn State graduates.

Activity suits Stu, and nothing much will change with retirement, he says.

"Except I won't get up at 7 a.m. anymore."

Although Margaret Sciabica retired June 29, the Sciabica family is still well represented at Penn State. One daughter, Julia, is a medical records clerk at Ritenour. Another daughter, Lila, is a junior at Penn State and son Thomas is in his senior year. Another son, Dennis, is a 1977 graduate of the University.

Mrs. Sciabica started in 1942 as an accounting clerk in Bookkeeping in Old Main, remaining there for almost ten years. She left Penn State and returned in 1967 to her present position as a data extraction specialist in Agriculture. Her duties include auditing all special requests and order forms; initiating journal vouchers and bills, and acting as liaison with the Purchasing Department for the College of Agriculture.

"She handles a multitude of problems for us," says Leonard Miller, Extension fiscal specialist. "Not only is she a nice personal friend, but a very good employee. I hate to see her leave."

Mrs. Sciabica and her husband, Paul, retired from Marblehead Lane Company, reside in Bellefonte.

Ben J. Wiens, professor of adult education at the King of Prussia Center for Graduate Studies and Continuing Education, retired June 30 with emeritus status.

A member of the Penn State faculty since 1972, Dr. Wiens has 30 years of experience in higher education and seven more in public schools. He was on the faculties of Moravian College, Rutgers University, Taber College and Nebraska State College, and taught in public schools in Nebraska, Kansas and Minnesota.

At Penn State, Dr. Wiens has coordinated programming in Continuing Education for the College of Education in the eastern part of Pennsylvania. His work also has included advising students.

Following his retirement, Dr. Wiens and his wife, Mary, will reside in Hillsboro, Kansas.

Dr. Bertram Yood, professor of mathematics, retired June 30 with the rank of professor emeritus.

Dr. Yood joined the University faculty in 1972 as a full professor after serving on the University of Oregon faculty for 19 years. He also served previously at Cornell University.

One of the country's leading functional analysts, Dr. Yood is also one of the world's experts in Banach algebras. He is the author of more than 40 papers published in scholarly journals on the general theory of Banach algebras and the theory of linear operators on Banach space as well as many other areas of functional analysis.

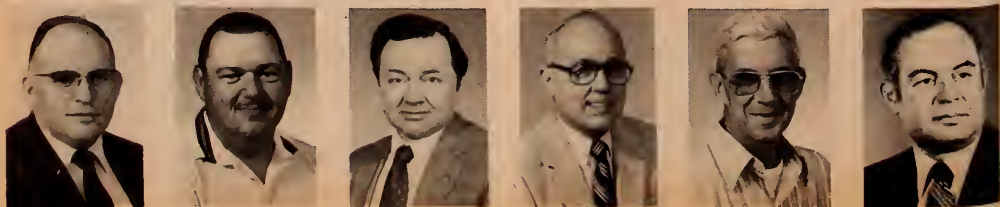
A 1938 graduate of Yale, he earned the master's degree at California Institute of Technology and the Ph.D. degree at Yale.

Dr. Yood has served on a number of national committees, including the Committee on Regional Development of Mathematics of the National Research Council, the research arm of the National Academy of Sciences. In 1967, he was elected to the Council of the American

Six faculty and staff members observe 25 years at the University

Observing 25 years of University employment in the College of Agriculture are (from left) Lester A. Burdette, professor of animal science Extension; Dean R. Crater, farm machinery operator A, Farms; Stephen B. Spencer, professor of dairy science Extension; James L.

Starling, professor and head, Department of Agronomy; Robert E. Stine, maintenance mechanic, Dairy Barns; Edward L. Woods, senior Extension Agent, Washington County.



Mathematical Society and served as chairman of its Mathematical Surveys Editorial Committee from 1967 to 1973.

Maxwell Garrett, associate professor of recreation and parks, from April 1, 1972, to June 30.

Max R. Kenworthy, special assistant to the Vice President and Dean of Commonwealth Educational System, from Oct. 1, 1968, to June 30.

David M. Parke, associate professor of mechanical engineering, from July 16, 1966, to June 30.

Mary T. Ryan, secretary at Schuykill, from Nov. 5, 1965, to June 30.

Helen Wilks, janitorial worker in the Office of Physical Plant, from Nov. 1, 1966, to June 30.

Promotions

Staff Exempt

Jana L. Crittendon to director of public relations at Hershey.
Barbara A. Wood to area representative, Continuing Education at King of Prussia.

Clerical

Norma L. Beck to senior clerk, Loans and Grants in Student Administrative Services.

Janet B. Coder to clerk A, BEOG Program in Student Administrative Services.

Karen J. Craig to clerk, Records A in Registrar.

Veronica Eckley to information processing clerk in Business Services.

Christine A. Gephart to technical secretary B in Applied Research Laboratory.

Dawn L. Harter to secretary B in Earth and Mineral Sciences.

Trudi S. Holsopple to clerk A, Loans and Grants in Student Administrative Services.

Christine Irvin to secretary B in Center for the Study of Higher Education.

Joanne E. Meigs to secretary B at Capitol.

Sandra M. Reuter to secretary B in Health, Physical Education and Recreation.

Margaret E. Smith to clerk A, Validation in Student Administrative Services.

Kathleen E. Tibbott to senior clerk, Validation in Student Administrative Services.

Technical Service

Kevin W. Green to poultry worker, general in Agriculture.

Frank Orlewich to maintenance worker, utility at Capitol.

Robert L. Pressler to group leader, guard in Applied Research Laboratory.

Obituaries

John Egli, who served as Penn State's head basketball coach from 1955-68, died July 1. He was 61.

Egli directed the Nittany Lion program to three post-season tournaments, while compiling a record of 187 victories and 135 losses for a 58.1 winning percentage. He was appointed assistant basketball coach at Penn State for the 1949 season and served in that capacity for five years before assuming the head job.

He was active in the National Basketball Coaches Association, serving on the All-American selection committee and the ethics committee. Egli was recognized as one of the outstanding practitioners of the zone defense and his 1970 book, *The Sliding Zone Defense for Winning Basketball*, remains a model for teaching that style of play.

After his retirement from coaching, he served as an assistant professor of physical education and coordinator of Commonwealth Campus athletics. Positions he held at the time of his death. He is survived by his wife, the former Nethel Kessler, and two daughters.

Dr. Clarence S. Anderson, professor emeritus of agricultural education, died June 22 at the age of 90. Dr. Anderson, who joined the faculty Sept. 1, 1926, retired Feb. 20, 1952.

Roy B. Johnson, mechanic in the College of Agriculture from April 1, 1925, until his retirement July 1, 1956, died June 15. He was 101.

Edith K. White, counter attendant and linen room attendant in Housing and Food Services from Nov. 11, 1956, until her retirement June 7, 1974, died June 26. She was 68.

Albert Zahn, upholsterer and supervisor in Housing and Food Services from April 1, 1954, until his retirement July 1, 1968, died June 12 at the age of 77.

Appointments

Three staff members of the Department of Public Information and Relations received promotions July 1.

William E. Campbell, Jr. is the new head of the publications section for the department. He had been manager of special projects.

Roger L. Williams, writer-editor, has been named manager of special projects.

C. Thomas Ressler, writer-editor, was named public relations representative for the College of Engineering.

Mr. Campbell's duties will include editing *Intercom*, the University's primary internal communication received by Penn State faculty and staff members on all campuses. He also will be responsible for several other publications offered through the department, including *Faces of Penn State*, a tabloid for alumni, and the *Parents Newsletter*.

Mr. Williams will be responsible for special projects in support of fund-raising, student recruitment, and other University goals.

Mr. Ressler will work closely with the College of Engineering in all phases of college relations including publicity, publications, audio-visuals and media relations. He will be responsible for helping create and maintain an effective total college relations program.

Dr. Charles R. Krueger has been named associate dean for research and associate director of the Agricultural Experiment Station at the University, effective Aug. 1.

Dr. Krueger is currently assistant director of the Ohio State University Agricultural and Research Center in Wooster, Ohio. He will succeed Dr. Robert F. Hutton, who has been acting associate dean since 1979.

In announcing the appointment, Dr. Samuel H. Smith, dean of the College of Agriculture, said "Penn State is fortunate to have attracted Dr. Krueger who is widely recognized as an administrator in the area of agricultural research and who has a broad background in both plant and animal science."

"The Experiment Station is responsible for all college research, and under Dr. Krueger's leadership, I expect to see it become more active in working with scientists and departments in establishing research priorities and recognizing areas the college needs to move into to meet future needs."

A native of Milwaukee, Dr. Krueger earned his bachelor's, master's, and doctor of philosophy degrees at the University of Wisconsin-Madison. His major research areas have been in pasture systems and forage crops with emphasis on the effects of various systems on dairy cows and on farm economy.

Norma Gavin Pappas has been named editor of the *Pennsylvania Business Survey*, published in the Center for Research of the College of Business Administration.

Ms. Pappas follows Alice E. Warne as editor of the 43-year-old survey, a barometer of business conditions around

the state. Published monthly, it features a variety of economic indicators for all of the Commonwealth's major communities as well as for the state as a whole. It also carries articles on topics that interest observers of the state's economy.

A graduate of the School of Foreign Service at Georgetown University, Ms. Pappas holds a master of arts degree in economics from the University of Washington and a certificate for writing and editing in technical fields from George Washington University. Before coming to Penn State, she spent five years as a research associate and economist at Mathematica Policy Research, Inc., in Washington, D.C.

Dr. John Romano has been named interim director of the School of Journalism, effective Aug. 1.

News in Brief

Instructional grant awarded by Endowment

The University has been awarded a major grant by the Lilly Endowment, Inc., of Indianapolis, Ind., to support five fellows in each of three years in personal instructional development and improvement projects.

The fellowships, which will be awarded this summer for the 1982-83 academic year, are for Commonwealth Campus faculty members who have successfully completed a second-year tenure review and who will be in their third year of teaching.

Serving as co-directors of the Lilly Endowment Post-Doctoral Teaching Awards Project are Dr. Carol A. Cartwright, associate dean for academic affairs of the Commonwealth Educational System, and Dr. Robert E. Dunham, vice president for undergraduate studies.

The grants, by providing support to young faculty members for the improvement of their teaching, reemphasizes the University's commitment to undergraduate instruction, Dr. Cartwright comments. It also will enhance scholarship, since Lilly award recipients will be encouraged to write up the results of their projects for publication.

The project also will utilize the skills

British publication praises University

Nature, the prestigious weekly journal published in Great Britain, recently praised the University for weathering the storms that have buffeted U.S. colleges and universities in recent years.

In a June 10 article entitled "Colleges Back From the Dead," editors of the 113-year-old magazine write that U.S. higher education is "under unprecedented stress." They cite such problems as the declining population of 18-year-olds and repeated state and federal financial crises.

"State university financing has become an annual roller-coaster that would give professors to the average modestly comfortable glimmers in Cambridge, for example," the authors note. (*Nature* is considered the predominant journal of the British academic community, but also is widely read around the world.)

The authors note that high tuitions have priced some U.S. universities out of reach of the middle class. Freshmen at the University of Southern California, they write, will pay \$7,000 next fall.

"Not all state schools are in this same plight," they add. "Some, such as Pennsylvania State University, are doing well. But these are schools with strong ties with local industry and a well-understood tradition of service to the state and the community."

"Applications for next autumn for Pennsylvania State University, for example, are up 10 percent. Industry finance is already a school tradition, so

Dr. Romano, associate dean for undergraduate studies in the College of the Liberal Arts, will serve until a permanent replacement is found for Dr. Robert O. Blanchard, who resigned earlier this year to accept a post at Trinity University in Texas.

As associate dean, Dr. Romano administers undergraduate programs and services within the College. He is active in curriculum development and in the design of new academic programs.

Dr. Romano's research has been in the areas of measuring academic advising program effectiveness and academic policy development in higher education.

Before joining the Penn State faculty in 1973, he was assistant to the vice president for student affairs and assistant professor of education at the University of Delaware.

and know-how demonstrated by Penn State's "Master Teachers" — winners of the AMOCO Foundation and Lindback teaching awards.

University Park Master Teachers will serve as members of the Project Advisory Board, according to Dr. Dunham, and will be members of the Selection Panel.

Commonwealth Campus Master Teachers will be members of mentoring committees for Lilly Teaching Fellows. Each Fellow will work with a mentoring committee consisting of at least one Commonwealth Campus Master Teacher and a colleague from the Fellow's discipline.

Additional back-up support will be provided by the staff of the Instructional Development Program, who will act as technical advisers and seminar leaders.

Lilly Fellows will have a chance to share some of the benefits from their awards through a Special Project Fund. Mentoring committees can apply to these for funding for such activities as workshops, mini-conferences, seminars and other enterprises designed to improve instruction at their campus.

To foster collegiality among the recipients of the Lilly grants, the Teaching Fellows will meet together once each month to participate in instructional development seminars and meetings. They also will participate in two annual conferences planned by the Lilly Endowment.

that door is open. And so long as the cost of private and other state school tuition keeps rising, prospective students shopping for the best deal will come."

"Part of the new, conservative public mood in the United States is a concern with educational quality," the article notes. "And when parents, students, alumni and industry are all preoccupied with quality, they will tend to gravitate to institutions of proven quality."

Nature is known for its articles and essays by leading scientists in all fields, reports of original research, and international coverage of items of social, economic or political interest. It is published by Macmillan Journals, Ltd.

Police Services offers anti-theft programs

In an effort to provide protection against theft for videotape recorders/monitors and microcomputers, Audio Visual Services and Police Services are offering demonstrations of a device designed to secure these kinds of equipment to carts, tables, or desk tops without drilling. The demonstrations will be conducted at the convenience of the prospective user. Arrangements can be made by contacting either Fred Burns of Audio Visual Services at 865-0291 or Robert McNichol of Police Services at 865-1864.

From the Trustee Docket

University has worldwide presence

"Our fate in this world is truly bound up with the fate of others," Provost Eddy told Trustees in describing Penn State's rapidly expanding international involvement.

The University currently has 65 programs or projects in 31 nations on six continents. In the past six months, three African universities have signed major agreements with Penn State — the first of their kind with a U.S. university.

"One can never measure accurately or perhaps even estimate the total impact of such an effort," Dr. Eddy said. "Surely the teaching in the classroom is enriched by the faculty member who returns from an overseas assignment."

"And surely the student who goes overseas brings back a new appreciation not only of the nation he visited but of the one he temporarily left behind."

Pennsylvania as a whole stands to benefit from Penn State's foreign involvement, he said, through new trade and investment opportunities.

"Pennsylvania currently exports \$250 million in agricultural products and \$15 billion in manufactured goods. For every million dollars in exports added, 32 new jobs are created in Pennsylvania," Dr. Eddy noted.

Penn State currently has 29 programs through which University students can study abroad. In addition, about 1,650 foreign students come to University campuses each year, supported by grants from their own countries or their own funds.

Exchange programs for faculty members and administrators and post-doctoral fellowships also make up an important part of the University's foreign involvement, Dr. Eddy said.

Another major component, he added, is research, with hundreds of projects supported by such groups as the Agency for International Development (AID) and the Smithsonian Institution. Earlier this year, AID awarded a five-year, \$9.6 million contract to Penn State and Tennessee State University to help farmers in the African nation of Swaziland increase their agricultural output.

Penn State also engages in exchanges of scholarly information and special services with 21 universities on six continents.

"For example, the University's Alard String Quartet currently is touring New Zealand. The College of Education is sponsoring a conference at the Altoona Campus for vocational educators from Ireland," Dr. Eddy said.

Even though Penn State's commitment to international activities is increasing, he added, the University enters no agreement that is not "a two-way street."

He said ten criteria are carefully studied before the University makes a commitment. Those criteria are:

- Penn State expertise on the part of the world in question;
- the ability of faculty and staff members to speak the official languages;
- the recent record of stability in the foreign government and its university;
- the degree of interest and concern of the foreign university and of government officials;
- the attitude of the U.S. government and its funding agencies;
- the interest of U.S. private funding groups;
- the opportunities for trade and investment for Pennsylvania;
- the amount and quality of resource material in Penn State's library;
- living conditions for University faculty members and students in the area; and
- the results of an exploratory visit by University representatives.

During the past five months, Dr. Eddy said, Penn State has received 112 official visitors from 39 nations, among them the chief administrators of the universities of

Zimbabwe (formerly Rhodesia), Swaziland and Yaounde in Africa. Penn State has signed major agreements to establish programs with those universities.

Another recent visitor was the president of Christian-Albrechts University in Kiel, West Germany. Penn State and Christian-Albrechts have a long-standing student and faculty exchange program.

"Hundreds — if not thousands — of Penn State faculty members, administrative officers and students help to extend our arms around the world," Dr. Eddy concluded.

He urged the Trustees to imagine "the farmer in China who discovers how to raise chickens with meat on their bones; the student from Franklin, Pa., who wakes up to the chatter of children in Tel Aviv or Taipei or Harare; or the Penn State faculty member who stands before a group of Sri Lanka scholars on their own territory — each one poised to retain every tiny bit of knowledge the teacher is willing to share."

University coordinates international programs

The University has taken steps to coordinate its rapidly expanding international programs, Trustees have been told.

Chief among them are the reassignment of W. LaMar Kopp, director of foreign studies, to expanded responsibilities as associate provost for international programs. In addition, two new councils are being created to oversee foreign involvement.

"These actions reflect our firm belief in the importance of Penn State's international programs," President Oswald said. "We believe an active commitment to teaching, research and service all over the world is a vital part of Penn State's long-range heritage."

Provost Eddy said it had become apparent in recent months that action would have to be taken to coordinate the University's growing involvement abroad.

"We have signed major agreements with several Third World nations," he said. "We have established an Australian Studies Center with a major grant from the Australian government. And we are in the midst of an extensive telecommunication exchange project with the state television agency and the University in Sao Paulo, Brazil."

"Today, international education touches every college and administrative unit within the University."

Under the new organization, responsibility for international programs will rest in the provost's office. Dr. Kopp will hold a part-time appointment there as associate provost. He will continue to serve part-time as director of foreign studies.

A Penn State International Council, chaired by the president, will study existing programs and opportunities for new ones. It will be composed of all University officers at the level of vice president or dean who are involved in international education.

A Foreign Programs Council, chaired by the provost, will replace the current University Committee on International Programs. It will consist of representatives from Penn State's colleges and from administrative offices involved in international programs.

Each academic unit will continue to be responsible for its own international programs. Dr. Oswald said. Dr. Kopp's role will be to advise and assist faculty and staff members, explore opportunities for new programs and promote existing ones.

Ultimately, Dr. Oswald said, the University hopes to establish — through successive steps — an International Center

to monitor programs and services.

Dr. Kopp was named director of the Office of Foreign Studies in 1978 and continues to hold an appointment as professor of German. He has served as associate dean for undergraduate studies in the College of the Liberal Arts.

He joined the Penn State faculty in 1962 and formerly taught at Temple University, the University of Pennsylvania, Goshen College in Indiana and Augsburg College in Minneapolis.

During the 1977-78 academic year, he was on leave from Penn State in Mbabane, Swaziland, where he worked with the Ministry of Education and the Deputy Prime Minister's Office on educational projects of that government. He has returned to Swaziland several times since then.

From 1954 to 1957, he was executive director of an international organization operated in connection with UNESCO.

For six years, Dr. Kopp was director of Penn State's Language Laboratories. He is a former member and past chairman of the University's Advisory Committee on Foreign Studies.

Australian center to stimulate study

The University has established an Australian Studies Center — the first such center in the United States — Provost Eddy reported to the Trustees.

"Australia is a close friend and ally of the United States and should be more widely understood and interpreted in America," Dr. Eddy said.

"This new undertaking promises many dividends for academic enterprise, for the two national publics, and for the quality and management of many facets of the Australian-American relationship."

The Australian Studies Center has been made possible by contributions from a number of American and Australian industries and corporate foundations, and by a grant from the Australian government.

To be housed in the College of the Liberal Arts, the Center will be directed by Dr. Henry S. Albinski, professor of political science and an Australian studies expert of international reputation. Dr. Albinski will report to Dr. Stanley F. Paulson, dean of the College of the Liberal Arts.

The Center's main purpose is to stimulate study of Australia through symposiums, research, publications and faculty and graduate student exchanges.

Penn State and the Australian National University already have signed a memorandum of understanding that establishes a formal academic relationship between the two nations, Dr. Eddy said.

"The Center is unique in the United States," he added. "Its establishment at Penn State was aided by the University's extensive library holdings on Australia and by a growing exchange of faculty members for teaching and research between the two countries over the years."

Dr. Eddy said the Center has been endorsed personally by Prime Minister Malcolm Fraser, Sir Nicholas Parkinson, former Australian Ambassador to the U.S., and Sir Robert Cotton, the incoming ambassador, as well as several former U.S. ambassadors to Australia. A number of U.S. academics with scholarly interests in Australia, and members of both American and Australian private sectors, also have voiced support for the Center, he added.

Public radio station permit is withdrawn

The University has withdrawn its application with the Federal Communications Commission for a construction permit to establish a public radio station utilizing the AM frequency of 820 kilohertz.

"Federal funds for construction are no

longer available," Dr. Richard E. Grubb, senior vice president for administration, told Trustees.

Two years ago, the Board of Trustees authorized the University to apply to the FCC for a preliminary permit and a station license. Early in 1981, the application was filed following a frequency search for an available channel on which to broadcast.

"The application to the FCC for the 820 kilohertz frequency on the AM radio band stimulated about 10 more applications for the same frequency," Dr. Grubb said.

"The FCC took no action on the applications and was undecided about whether to use a lottery to allocate the frequency or to hold public hearings."

"Meanwhile, the application for funding with the National Telecommunications and Information Administration was not acted upon since the University had not received a permit from the FCC."

"As the end of the funding year approached, our application for funds was turned down since there were requests totaling more than \$100 million for the \$10 million available."

"Since the current round of funding was probably the last, the University has withdrawn its application for the 820 frequency from the FCC. To proceed would have involved considerable legal and engineering expenses."

Dr. Grubb said that the University explored several alternatives to a new FCC license this spring in an effort to go forward with a public radio service.

Meetings were held with the policy board of WDFM, the student radio station, to see whether the station would be interested in a partnership with the University on such a project.

"We would have filed jointly with the National Telecommunications and Information Administration for funding to upgrade WDFM facilities. The WDFM Executive Committee rejected this alternative, choosing to remain a student station," Dr. Grubb said.

Dr. Grubb said the University also investigated a possibility for use of an existing FM station but rejected the idea because of operating costs and the lack of funding.

"Presently, cable radio is being explored as a means of initiating some activity," Dr. Grubb said. "If it appears appropriate for the educational program of the University, some instructional and academic programming will be initiated using the PENNRAMA cable system."

PENNRAMA is a continuing educational cable television service that is carried by several cable systems in Northeastern and Central Pennsylvania and eventually will be available throughout the state.

Scholarships, awards reported to Trustees

Establishment of a number of scholarships, awards and assistantships has been reported to the Board of Trustees. They include:

The Lawrence G. and Ellen M. Foster Scholarship will assist students interested in newspaper careers.

The initial principal of the fund was donated by Mr. and Mrs. Foster of Westfield, N.J. Mr. Foster is a 1948 Penn State graduate in journalism. Mrs. Foster is a 1949 arts and letters alumna.

Mr. Foster is corporate vice president of public relations of Johnson & Johnson in New Brunswick, N.J., and a member of the Penn State Board of Trustees. He is president of the Penn State Fund Council.

The Electronic Data Systems Scholarship will recognize and aid outstanding students enrolled in computer science.

The Electronic Data Systems Corporation of Dallas, Tex., will provide annual gifts to support the scholarship.

The James M. Barnak/Eta Kappa Nu Outstanding Senior Award recognizes outstanding seniors majoring in electrical engineering.

Initial funding for the award has been donated by friends, relatives and family of

the late Mr. Barnak of Allentown, a senior electrical engineering student who died in an auto accident in December, 1980. He was president of the Eta Kappa Nu Association, a national student electrical engineering society.

The Henry W. Popp Graduate Assistantship has been endowed to aid outstanding graduate students of biology or plant pathology.

The initial funding for the assistantship was a gift from Mary Jean Popp Smeal and Frank P. Smeal of Rumson, N.J. Mr. and Mrs. Smeal are Penn State graduates in arts and letters in 1942 and 1941, respectively.

The gift honors Dr. Henry W. Popp, a 1917 Penn State graduate and faculty member from 1920 until his retirement as head of the botany and plant pathology department in 1958. He now resides in State College.

The E. F. Schultze Scholarship will assist needy students in selected mineral sciences.

The American Copper Council, an independent industrial organization based in New York City, will finance the scholarship with annual donations.

First-year students who are enrolled or planning to enroll in metallurgy, mineral economics or any mining engineering option are eligible if they need financial aid to complete their education.

The J. Lloyd and Dorothy B. Huck Fund will support cardiovascular programs at The Milton S. Hershhey Medical Center.

The initial principal for the fund has been donated by Mr. and Mrs. Huck, Penn State alumni now living in New Vernon, N.J. Mr. Huck is a 1946 chemistry graduate, and Mrs. Huck, the former Dorothy Foehr, is a 1943 home economics graduate of Penn State.

Mr. Huck is president and chief executive officer of Merck & Company, Inc., in Rahway, N.J., and a member of the Penn State Board of Trustees and Penn State Fund Council.

The 4-H Enhancement Fund will support activities and services offered by the Pennsylvania 4-H.

The fund's initial principal was received from unrestricted donations to Pennsylvania Friends of 4-H. Established in 1900 to develop the "head, heart, hands and health" of rural youths, the Pennsylvania 4-H is the youth phase of the Penn State Cooperative Extension Service.

The Hartman Honor Scholarship in Mining Engineering has been established to recognize outstanding students in that field.

Funds for the scholarship will come from book royalties donated to the University by Dr. Howard L. Hartman of Tuscaloosa, Ala., a faculty member at the University of Alabama.

Dr. Hartman is a 1947 Penn State graduate who earned his master's degree at the University in 1948. He headed the department of mining engineering and was associate and acting dean of the College of Engineering from 1957 until 1967.

Ag Arena plans approved by Board

Sketch plans for the proposed Agricultural Arena at the University have been approved by the Board of Trustees.

The plans, by the architectural firm of Daght and Saylor of Philadelphia, call for a building with an earthen arena floor of 90 by 180 feet. It will seat 600 and have office and storage facilities.

"The Agricultural Arena will be used for student resident instruction activities in the University's College of Agriculture. These include the annual horticulture show and various animal shows," said Robert A. Patterson, senior vice president for finance and operations.

"It will also be available for use by the general agricultural community in Pennsylvania."

Such a facility is needed, he said, to provide a central location for activities that

are now scattered throughout the campus and are sometimes spoiled by bad weather.

The building will be located near Beaver Stadium, adjacent to the Meat Animal Evaluation Center. It will be next to the proposed Park Avenue connector road to the State College bypass, a route that eventually could become a major access way to the University Park Campus.

The Agricultural Arena is expected to cost approximately \$300,000, with the funds coming from private gifts. An 18-member Ag Arena Campaign Committee, comprised of alumni and friends of the University and chaired by University Trustee Obie Snider of Imler, is engaged in the fund-raising effort.

In addition, the Penn State Fund Council and the Ag Alumni Society are involved with the effort.

The next steps in the process are submission of preliminary plans and then final plans for the building, Mr. Patterson says. If there are no serious delays, construction could begin in the spring of 1983.

New higher education degree to be offered

The University will offer a new Ph.D. degree in higher education to complement the currently-offered D.Ed. (doctor of education) program.

"Penn State's D.Ed. program in higher education has been offered for a number of years, and is regarded as one of the stronger such programs in the nation," Provost Eddy told Trustees.

"The Ph.D. program will offer a research emphasis, whereas the D.Ed. program carries a professional practice

emphasis, particularly useful to higher education administrators.

"Because an increasing number of higher education graduates accept positions as faculty members in universities or as associates in research-oriented agencies, the Ph.D. becomes as appropriate for higher education as the D.Ed."

The proposal for the Ph.D. program has been approved by the University's Graduate Council. The cost of the program can be carried within existing budgets for the graduate program in higher education, he noted.

Walkway to be built south of Old Main

A new paved walkway will be built this summer on a portion of the lawn south of Old Main. Trustees have been told.

"The paved walkway is obviously necessary for safety and convenience," said Robert A. Patterson, senior vice president for finance and operations. "Pedestrian traffic has worn a dirt path into the grass."

The walkway will be eight feet wide and 380 feet long. It will extend northwest from West College Avenue near the Pugh Street intersection and intersect with the existing walk system.

The project includes construction of new steps and alteration of a small portion of the existing stone wall along College Avenue.

"Changing pedestrian traffic patterns are responsible," Mr. Patterson said.

"There are many apartments in the East Beaver Avenue area now. Students who live in them come to campus by walking down Pugh Street. Then, if they need to

go to the west end of the campus, they cut across Old Main lawn."

Work on the project is expected to begin in mid-July.

Name change approved

The name of the Department of Microbiology, Cell Biology, Biochemistry and Biophysics has been changed.

Provost Eddy said the new name will be the Department of Biochemistry, Microbiology, Molecular and Cell Biology. The department is part of the College of Science.

Red C to be improved

The University plans improvements this summer to parking area Red C, located along North Atherton Street between the bus station and the Garfield Thomas Water Tunnel.

"We will construct walks that will link the bus station with the Water Tunnel and pave the lot to provide parking spaces for approximately 44 cars," explained Robert A. Patterson, senior vice president for finance and operations.

Red Lot C, used by University faculty and staff members is unpaved at present. The planned construction will make it possible to line, plow and drain the lot more easily, Mr. Patterson said, and will eliminate a safety hazard.

The improvements are planned for this summer, he added, to coincide with construction work on North Atherton Street that will be undertaken by the Pennsylvania Department of Transportation.

Biologists to meet

More than 2,000 biologists from around the world are expected to attend the American Institute of Biological Sciences (AIBS) meeting Aug. 8-12 at the University.

"Ecological Impacts of Technology — The Future," will be the meeting's theme and is also the title of the keynote address to be given by Dr. David Pimentel, professor of insect ecology and agricultural sciences, Cornell University, at the 9 p.m. plenary session Monday, Aug. 9 in Eisenhower Auditorium.

The plenary session also will feature Dr. George M. Woodwell, director, Ecosystem Center, Marine Biological Laboratory, Woods Hole, Mass., who will receive the 1982 AIBS Distinguished Service Award. Dr. Woodwell is an internationally renowned ecologist with a special interest in developing concepts of ecology useful in applications of basic knowledge in public affairs.

Meeting participants also will have the opportunity to attend scientific symposia throughout the week on a wide range of topics from "The Tropical Environment" to "The Ecology of the Great Lakes." Members from nine participating societies are scheduled to present papers. The participating societies are the American Fern Society, American Bryological and Lichenological Society, American Society of Plant Taxonomists, the Association for Tropical Biology, Botanical Society of America, Ecological Society of America, Mycological Society of America, the Phi Sigma Biological Honor Society, and the Society for Invertebrate Pathology.

Six field trips will highlight the meeting. They include a trip to see areas affected by mining, acid rain, deer and defolating insects; an excursion to the Barrens, known for its extremes in temperature and peculiar flora and fauna; plus forays through forests, swamps, fields and ravines.

General co-chairmen of the meeting are Dr. Edward G. Buss, professor of poultry science, and Dr. Eugene S. Lindstrom, head of the Department of Biology.



Libraries acquire German collection

The University Libraries has acquired a collection of approximately 600 books, newspapers, pamphlets and broadsides printed in Pennsylvania and Europe in the German language in the 17th, 18th and 19th centuries. The collection was a gift from Mrs. Georgiana S. Hartzel of Jersey Shore, R.D. 1. The works belonged

originally to the Rev. Ammon Stapleton, a Williamsport pastor, who died in 1916. Mrs. Hartzel, the granddaughter of the Rev. Mr. Stapleton, is shown here with Charles Mann, chief of special collections for the University Libraries. They are displaying one of the books from the Stapleton collection.

Budget

(Continued from page 1)

Dr. Oswald told the Trustees that changing student interests in recent years have created substantial cost increases. Enrollments have shifted to high-technology areas such as engineering and computer science that require expensive laboratory and classroom equipment.

Furthermore, he said, it has become increasingly difficult to attract and retain good faculty members in those fields because of the higher salaries offered by private industry.

Increases in employee benefits mandated by State and Federal legislation in recent years also have contributed to sharply rising costs, he said. Dr. Oswald noted that the amount paid for retirement costs has increased by 280 percent since 1972-73. Social Security costs have escalated by 205 percent over the same period.

In 1981-82, he said, Penn State will have paid more than \$28.9 million for retirement costs and \$16.4 million for Social Security coverage.

He said a sharp increase announced in February in the employer's contribution to the State Employees' Retirement System will cost the University's General Funds budget an additional \$2.3 million in 1982-83.

"Costs for group hospitalization and medical insurance also have risen. They increased by \$4 million or 69 percent in the last two years—from \$5.8 million in 1979-80 to \$9.8 million in 1981-82," he added.

In response to such unavoidable cost increases, Dr. Oswald noted, the University has reallocated more than \$27.6 million from operating budgets since 1971-72 to areas of greater priority or need. This includes a planned reallocation of \$2 million for 1982-83.

"We are determined to reduce expenditures wherever possible through effective management," Dr. Oswald said. "We must protect the quality of our educational programs, however, and many of our units are extended to their limits in meeting their responsibility to provide education of genuine quality."

The University's original appropriation request to the State included a 5 percent increase in tuition. Because of the substantial difference between the University's needs and the revenue available, an average increase in tuition of 14.6 percent is necessary for 1982-83, Dr. Oswald said. A survey of 139 members of the National Association of State Universities and Land-Grant Colleges found that the average increase in tuition and required fees for resident undergraduates this year was 17.7 percent.

Effective with the fall term at the University Park Campus, undergraduate students who are Pennsylvania residents will pay \$270 more a year for tuition, an annual increase from \$1,848 to \$2,118.

The increase and tuition will be the same at the Capitol Campus as at University Park. At the Behrend College, the increase will be \$333 per year, bringing tuition there to \$2,010. (Behrend is in the second year of a three-year program to bring its tuition level to that of University Park.) At other Penn State campuses, the increase will be from \$1,593 to \$1,827.

Tuition for out-of-state undergraduate students at all locations will increase by \$543, to \$4,254 per year. Annual tuition rates are based on full-time attendance for three of the four terms.

In-state graduate students will pay \$288 more at University Park and the Milton S. Hershey Medical Center, and \$270 more at all other locations. Out-of-state students will pay \$576 more per year at all locations.

The rates for in-state graduate students will be \$2,256 at University Park and Hershey, and \$2,118 at all other locations. Out-of-state graduate students will pay \$4,512 at all campuses.

The Trustees approved a change in the tuition policy at the King of Prussia Graduate Center. At King of Prussia, Dr. Oswald noted, the University is delivering "special graduate programs at special times and at special locations" to primarily part-time students who are otherwise employed.

Because of the higher cost of such specialized services, tuition for graduate programs at King of Prussia will be charged on a per-credit basis. The new rate will be \$115 per credit for Pennsylvania residents and \$188 per credit for out-of-state students.

Tuition for in-state medical students at the Hershey Medical Center will be increased from \$5,829 to \$6,681, a 14.6 percent increase. Out-of-state medical students will pay \$10,437.

The College of Medicine will receive a 6 percent increase in State funding this year—its first increase in State operating support since 1971-72, Dr. Oswald noted.

The 1982-83 appropriation also includes \$3.2 million for operation of the Elizabethtown Hospital for Children and Youth. In December, Governor Thornburgh and the Pennsylvania Department of Health asked the Hershey Medical Center to assume control of that facility, to develop it into a major rehabilitation unit.

Of the total Medical Center operating budget (exclusive of the Elizabethtown Hospital) of about \$108 million, only about 3 percent comes from State funds. No State or tuition funds are used to support the Medical Center's teaching hospital or the University's auxiliary enterprises such

as residence halls, food service, intercollegiate athletics and bookstores. All are self-supporting.

The general funds portion of the University's budget totals approximately \$307 million. It supports the basic programs of teaching, research and public service.

The total Penn State operating budget for 1982-83, including general funds and increased scope of operations at the Milton S. Hershey Medical Center as well as all auxiliary enterprises and estimated research grants and other funds, is approximately \$566 million. This is an increase of about 10 percent over last year's figure of \$509 million. Total non-Hershey operations will increase only 8.8 percent, while Hershey will increase 20.6 percent due principally to the self-supporting teaching hospital and Elizabethtown operations.

Almost \$143 million, or 25.3 percent, will come from State appropriations in 1982-83.

The remainder comes from student tuition; income from auxiliary enterprises such as residence halls, the hospital and, intercollegiate athletics; and restricted funds, including research grants from the Federal government, foundations, industry and private sources.

The new budget, Dr. Oswald noted, includes a basic 6 percent increase in salary levels for University faculty and staff members, to be allocated on a merit basis. Limited additional funds have been provided for special merit considerations, for correcting inequities and for cases of very special merit.



Dr. Theodore L. Gross, provost and dean of Capitol Campus, is the new chairman of the Council of Academic Deans. He was elected to a one-year term by members of the Council which is made up of the deans of the University's academic colleges, Commonwealth Educational System, the Graduate School, Behrend College, Capitol Campus, the University Libraries, and Admissions. Dr. Gross, who served as chairman of the plenary subcommittee of the University's Conference on General Education, was dean of humanities and vice president for instructional advancement at City College of New York before joining the University. A specialist in 19th century American literature, he has authored four books, edited eight others, and written numerous essays. He continues to teach at Capitol, regularly offering a course in American studies.

Plans made for cable network

The Pennsylvania Educational Communications Systems (PECS) and the University yesterday announced plans to complete what will soon become the world's largest interactive cable television network.

At a news conference at the Nittany Lion Inn, the presidents of the two organizations said that completion of the statewide project is scheduled for Oct. 1. It will serve 1.5 million cable television subscribers in Pennsylvania. Installation is being completed by Hughes Microwave Communications Products, Hughes Aircraft Company.

Participating in the news conference were George J. Barco, PECS president; Dr. Robert J. Scannell, vice president and dean of the Commonwealth Educational System, and A.H. Sonnenschein of Hughes Aircraft Company.

The extensive cable network system began in 1972 with a demonstration project from Penn State's Worthington Scranton Campus over the Northeast Cable Company. The program service was dubbed "Pennarama."

The demonstration project, serving the Scranton/Wilkes-Barre area, led to formation of PECS, a non-profit organization, to take the leadership in developing a statewide interconnection system. PECS signed a partnership agreement with Penn State in 1978 under which PECS agreed to build and maintain the hardware system and to provide 24-hour-a-day channel space if Penn State would manage and guarantee the Pennarama educational program service to which all Pennsylvania institutions of higher education would have access.

The programming service is dedicated to credit and non-credit instruction and educational teleconferences. The program schedule offers ample time for repeats so that students can choose convenient times to watch over a period of a week. Sixteen courses will be scheduled initially when the system is fully operational, beginning in January, 1983.

Pennarama is operated by the Department of Telecommunications. David L. Phillips is director; Jerry A. Sawyer, coordinator.

The first leg of the service has been completed one-way from University Park to Williamsport, Scranton/Wilkes-Barre to Ephrata. It will be completed through Harrisburg, Lewisburg, back to University Park. Virtually all cable systems in Pennsylvania will have access to the Pennarama program service when it is completed.

Commission awards grant to University

The Appalachian Regional Commission has approved a grant of \$57,593 to the Pennsylvania Association of Colleges and Universities (PACU) and the University.

"The grant is part of a \$107,593 project to make a complete inventory of Pennsylvania's public and private research facilities and their capabilities," says Dr. William Toombs, director of Center for the Study of Higher Education, coordinator of the project.

The long-range goal is to improve Pennsylvania's ability to provide new jobs by encouraging use of the state's research facilities to support industrial development.

Dr. Toombs says the project will yield a catalog of existing research facilities including their personnel, areas of specialization and funding resources. Research specialties that will be of value in attracting new high-technology industries will be emphasized, along with opportunities to strengthen the state's traditional industries.



Rose Oswald pins an official Arts Festival pin on her husband, President Oswald. At left is Robert W. Potter, president of the Board of Directors

of the Central Pennsylvania Festival of the Arts. The Oswalds were honorary co-chairpersons of this year's Arts Festival.

Arts Festival honors President and Mrs. Oswald

President Oswald and his wife, Rose, director of University House on campus, served as honorary co-chairpersons of the 16th annual Central Pennsylvania Festival of the Arts.

"Dr. and Mrs. Oswald — the first persons to be so honored in the history of the festival — received this recognition for their enduring and much appreciated support of the arts," said Robert W.

Potter, president of the Festival's board of directors.

"The growth of our festival has paralleled the tenure of Dr. Oswald at Penn State. His support and encouragement of our efforts has been invaluable. Rose Oswald is known as a patron of the arts wherever she goes. Her initiation of the Council of the Arts in

Kentucky almost 20 years ago and her continued service for six years to the Pennsylvania Council on the Arts is testimony to that," Mr. Potter noted.

"The assistance of the University, both formally and informally, continues to be a critical element in what makes the Central Pennsylvania Festival of the Arts a unique event."

Garban

(Continued from page 1)

State, "have been outstanding. He was named controller of the University in 1971 and most recently was promoted to vice president and controller, at which time he assumed additional responsibilities in the financial area.

"In the absence of Mr. Patterson, Mr. Garban has fulfilled the senior vice president responsibilities most ably. We are indeed fortunate to have him as a key member of our administration."

Under another recommendation approved by the Board, the title of Mr. Patterson will be changed on Aug. 1 to vice president for investments. He will deal primarily with the University's investments until his retirement, not before July 1, 1984.

Mr. Garban will retain his title of controller, said Dr. Oswald, "until he makes a proposal to me on how to deal with the controllership."

Mr. Garban graduated from Penn State in 1959 with a degree in accounting. He served as captain of the varsity football team and vice president of the Undergraduate Student Government. In 1961, Mr. Garban returned to the University as assistant business manager of athletics and was named coordinator of accounting in 1966. He became deputy controller in 1968, controller in 1971, staff assistant to the senior vice president in 1973, and vice president and controller in 1981.

Active in both community and alumni affairs, Mr. Garban is past president of the Lion's Paw Alumni Association, the Penn State Quarterback Club and the Park Forest Junior High P.T.A. He also is on

the Board of Trustees of Centre Community Hospital and is a director of the Farmer's National Bank of Millheim.

Mr. Garban, his wife Penny and their three children, Donna, Andrew and Douglas, live at 659 Glenn Road in State College.

A specialist in business and financial management, Mr. Patterson has been senior vice president for finance and operations and treasurer since 1971. He was promoted to the position after having served for three years as vice president for finance and treasurer.

Before coming to the University, Mr. Patterson supplemented a business and financial career as associate professor of finance in the Graduate School of Business, New York University. Mr. Patterson also served, immediately before joining the University, for six years as secretary and treasurer of the Long Island Railroad Company.

Mr. Patterson, a native of Turtle Creek, Pa., is a 1939 graduate of Grove City College. He received a bachelor of science degree in business administration, and was awarded an honorary degree by the college in 1980. His master of business administration degree, with a major in finance, was conferred by New York University in 1949.

Mr. Patterson is married to the former Nancy Evans, of Forest Hills, N.Y. They have one married daughter.

New network numbers

The correct network phone numbers for King of Prussia Center are: 325-1829 and 325-1830.

Penn Staters are favored

A survey of 150 companies recruiting on college campuses in the Northeast shows that more hired Penn State graduates in 1980 than graduates from any other institution.

"During the 1979-80 academic year, 23.6 percent of all companies responding to our survey reported Penn State as being the largest supplier of new employees," says Dr. Richard G. Swails, director of the Career Development and Placement Center.

Dr. Swails and Dr. Robert A. Pitts, associate professor of business administration, conducted the survey last year to determine the corporate recruiting practices of 50 large-, 50 medium-, and 50 small-sized companies that recruit in the Northeast.

Large companies were defined as those employing at least 20,000 persons; medium, as those employing from 6,000 to 15,000, and small, as those employing fewer than 2,000.

"Of the large companies responding to the survey, 16.1 percent cited Penn State as the largest supplier of new employees," Dr. Swails notes. "The University of Texas also was cited by 16.1 percent of the companies, and in second place was the University of Pittsburgh, which was cited by 9.6 percent of the companies."

Among those tied for third place in providing new employees to the largest companies were the University of Pennsylvania, Rutgers University and Texas A&M University, all at 6.4 percent.

"The medium-sized companies also favored Penn State, with 28.1 percent of these citing the University as the largest supplier of new employees," Dr. Swails reports.

He adds that in the medium-sized category, Penn State was followed by Drexel University and the University of Pittsburgh, both of which were cited by 9.3 percent of the companies. The University of Texas was third, cited by 6.2 percent of the companies.

Penn State also led in the small-sized category, with 26.6 percent of the companies reporting the University as the largest supplier of new employees. The University of Pittsburgh was second, at 6.6 percent, tied with Cornell University and Clarkson College.

"More than one-half — 59.3 percent — of all college graduates hired by these companies held degrees in engineering," Dr. Swails observes.

He adds that 21 percent held degrees in business administration; 6.3 percent in physical sciences; 6 percent in computer science; 3 percent in liberal arts; and 4 percent in all other majors.

"It's important to note," he says, "that these percentages apply only to those companies that were surveyed. Many other companies, which do not make campus visits, hire various mixes of graduates."

When asked what factor most influenced their decision to recruit at a particular institution, companies of all three sizes agreed the single most important factor was "high academic quality." Of least importance to the companies was "large student body."

"This shows that companies do not come to large institutions such as Penn State just because they can see many qualified students," says Dr. Swails. "Rather, it shows the companies recruit at institutions they consider to be of high academic quality, regardless of size."

INTERCOM is an internal communications medium published for the faculty and staff of The Pennsylvania State University.

William E. Campbell, Jr., Editor
Diane M. Lasko, Editorial Assistant
Calendar Editor — 865-2501

Writers and editors win national awards

University writers and editors have won four national awards from the Council for the Advancement and Support of Education (CASE) of Washington, D.C.

Research/Penn State, a magazine that reports on University research projects, won a special merit award in the "Research Publications" category. It is published through the office of Vice President for Research and Graduate Studies Richard G. Cunningham.

The News Bureau in the Office of Public Information and Relations won two awards: an exceptional achievement award for general excellence in newswriting and a citation for its overall news program. In addition, the office shared — with its counterparts at several other institutions — an exceptional achievement award for a 1981 Higher Education Week promotion.

Research/Penn State is edited by Harlan Berger. Charles Fergus is associate editor and Nancy Marie Brown, staff writer.

News Bureau staff members cited were: Roger Williams, writer/editor; C. Thomas Kessler, writer/editor; Scott Johnson, photographer; Shirley Raker, secretary; Richard Jonke, assistant manager; and Mary Dunkle, manager.

The director of the public information office is Arthur V. Ciervo. Other staff members, in addition to Mr. Ciervo, cited for the Higher Education Week project were: J. Arthur Stober, head of the radio/TV section; Maggie Crispell, administrative aide and Mr. Johnson and Mr. Williams.

Calendar

July 15 — 29

Thursday, July 15

HUB Craft Centre, Open House, 7:30 p.m.-9:30 p.m., Room 312 HUB.
Fred Waring Music Workshop Youth Choral Concert, 8 p.m., Schwab. Also July 16.

Friday, July 16

Commonsplace Theatre, *Dr. Strangelove*, 7 p.m.; *Animal House*, 9 p.m., Room 112 Kern. Also July 18.

Saturday, July 17

France-Cinema, *Beresford, Breaker Morant*, 7 and 9 p.m., Room 112 Kern. Also July 19.

Sunday, July 18

HUB Craft Centre, second session craft classes begin.

Tuesday, July 20

Shaver's Creek Environmental Center, Bird of Prey Program, 10 a.m., Spring Creek Park. CSA Explazaganza film, *All About Eve*, dusk, Fisher Plaza.

Thursday, July 22

Festival Theatre, Hugh Leonard, *Da*, 8 p.m., The Pavilion Theatre. Also July 23-25, July 27-August 1, August 3-4. Sunday performances at 7:30 p.m.

Friday, July 23

Commonsplace Theatre, *Easy Rider*, 7 p.m.; *Close Encounters of the Third Kind*, 9 p.m., Room 112 Kern. Also July 25.

Saturday, July 24

France-Cinema, *Clouzot, Diabolique* and *Truffaut, Shoot the Piano Player*, 7 and 9 p.m., Room 112 Kern. Also July 26.

Monday, July 26

Deadline for August graduates to deliver thesis to Graduate School and for departments to



State College natives, Ross Lehman (Valentine White) and Catherine Dupuis (Susie Ward) dance to the music of "All at Once" in the Festival Theatre's production of *Babes in Arms*, running until Sunday at the Playhouse Theatre.

certify to Graduate School completion of required papers for August graduates. First day to sign Fall Term NDSE and University Long Term Loans, Room 108 Shields.

Tuesday, July 27

CSA Explazaganza film, *Head with The Monkeys*, dusk, Fisher Plaza.

Thursday, July 29

Festival Theatre, Rodgers and Hammerstein,

South Pacific, 8 p.m., The Playhouse. Also July 30-August 1, August 3-4 and August 10-15. Sunday performances at 7:30 p.m.

Exhibits

Chambers Gallery

Gallery hours: 9 a.m. to 5 p.m.-weekdays. CPFA Children's Art Exhibition, through July 23.

Kern Gallery

Philip Sauerleider, printmaker, opens July 27. Gallery hours: Monday through Saturday, 8 a.m.-11 p.m.; Sunday, noon-11 p.m. CPFA juried photography exhibition, through July 28. Nittany Valley Chapter, Embroiderer's Guild of America.

Museum of Art

Museum hours: 11 a.m.-4:30 p.m. Closed Mondays. Tours, Sundays, 1:30 p.m. Selections from the Museum's collection. CPFA juried crafts. CPFA Painters of Central Pennsylvania Invitational.

Patee Library

East Corridor Lobby: Literary Expressionism and German Political and Commercial Posters, opens July 17. Lending Services Lobby: Paul Flexner, recent work, through July 16. Andrea Benson, recent work. 2nd Floor, East Patee: Mary Gady Rubinstein, woodcuts, "The Book of Job," through July 21. Mushroom Reference Collection of Professor emeritus Leon Kneebone, opens July 22. Rare Books Room: Pennsylvania-German imprints from the Ammon Stapleton Collection, through July 16. World's Fairs, opens July 21.

Visual Arts Zoller Gallery

Gallery hours: 9 a.m. to 5 p.m.-weekdays. Theatre production in conjunction with CPFA, through July 28.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., July 22, 1982. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

TEXTBOOK ASSISTANT — USED BOOKS, PENN STATE BOOKSTORE, UNIVERSITY PARK — Develop lists of textbook needs. Maintain current pricing information on all titles purchased by Penn State Bookstore. Develop and maintain list of university and wholesale houses to seek and sell books. Review need for textbooks with textbook specialist. Assist with faculty visitations to review needs. Supervise

contact of wholesalers by telex, inventory stock, coordinate book purchases with textbook specialist. Interview, train and supervise full-time and part-time employees. Greet customers, provide information. Travel to visit text vendor's warehouses to purchase new and used books each term. High school graduation (or equivalent) plus one to two years of effective experience. Knowledge of bookstore policies, practices and operations is highly desirable.

SENIOR PROGRAMMER/ANALYST, COLLEGE OF AGRICULTURE, UNIVERSITY PARK — Responsible to manager, Data Processing and Financial Services, and the associate director of the Agricultural Experiment Station for the ongoing development and design of computer programs and systems for the Agricultural Experiment Station. Design new systems involving computer and non-computer components for the purpose of solving administrative or research problems. Determine the most effective organization of programs, data sets, and programmer and clerical input. Act as technical consultant to the associate director in matters involving computer programming, data processing, automation of clerical tasks, and computer support for a variety of administrative tasks. Advise faculty and staff within the College concerning organization of new systems and programs for

support of research and administrative activities. Bachelor's degree (or equivalent) with a major in mathematics, statistics or computer science and from two to four years of effective analysis, calculus, statistics, computer languages and systems programming are particularly desirable.

COORDINATOR, CAMPUS RESIDENTIAL LIFE, STUDENT AFFAIRS, BEAVER CAMPUS — Responsible to the dean of student affairs for carrying out specific responsibilities for the Residence Hall Program, including administration of the conduct standards system; selection and supervision of student assistants; developing cultural, social, and educational programs and counseling of students. A bachelor's degree or equivalent plus at least one or two years of effective experience is required or a master's degree or equivalent in student personnel or related field with three to six months residence hall experience.

MANAGER, MEDICAL RECORDS, COLLEGE OF MEDICINE, HERSHEY — Responsible to the assistant hospital director for the operation of the Medical Records Department to attain the institutional and department goals and to meet standards of accrediting and licensing agencies. A bachelor's degree with specialized training in medical records and two to three years effective

experience or equivalency; Registration by the American Medical Record Association required.

COLLEGE HEALTH NURSE, SCHUYLKILL CAMPUS — Responsible administratively to the dean of student affairs and professionally to the administration of the University Health Services through the director of nursing services for providing nursing care to the student body, including the treatment of minor and temporary illnesses and accidents, plus making appointments and referring students and employees to a physician or hospital when necessary and appropriate. Graduate of an accredited nursing program or its equivalent and current licensure in Pennsylvania as a registered nurse, plus six to nine months of effective experience in public health nursing or other related institutional nursing experience.

PROGRAM SPECIALIST, COLLEGE OF BUSINESS ADMINISTRATION, UNIVERSITY PARK — Responsible to the director of executive programs for research, marketing, and administrative assistance in the delivery of new and existing College of Business Administration executive education programs. Master's degree in business administration (or equivalent) plus up to one year of effective experience. Fund-raising and/or management education experience helpful.

Search group formed for associate dean

A search committee has been formed for the part-time position of associate dean for Graduate School Fellowships and Financial Aid. The associate dean supervises the management of existing fellowships and awards program.

The associate dean also interacts with departments and with federal agencies and other potential financial sources of graduate student support.

The successful applicant should be a member of the Graduate Faculty of the University with an established record of research and scholarship, and administrative experience, including experience with grants and contracts. The

appointment is effective Fall Term, 1982. Applications should be sent to E. R. Buskirk, chairperson of the Search Committee, Room 117A Noll Laboratory, University Park, PA 16802.

USG calendar orders

The Undergraduate Student Government is accepting orders for its 1982-83 University calendar. The calendars are priced at \$1.00 and can be paid for by cash or personal check, made payable to USG. IDTs ARE NOT ACCEPTED.

Calendars can be ordered until Friday, Aug. 13, by memo to Lisa Vendura, USG calendar manager, 203A HUB, phone 863-1874.

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Biologists will hear scientist

Dr. David Pimentel, a science adviser to Presidents Johnson and Nixon, will present the keynote address at the American Institute of Biological Sciences (AIBS) national meeting Aug. 8-12 at the University Park Campus.

The free public lecture, entitled, "Ecological Impacts of Technology — The Future," will be presented at 8 p.m. Monday, Aug. 9, in Eisenhower Auditorium.

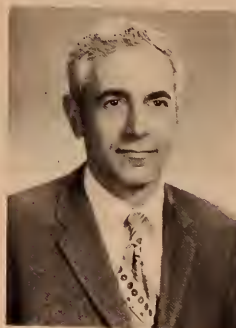
Dr. Pimentel served on the Environmental Pollution Panel of the President's Science Advisory Council from 1964 to 1966 and as ecologist, Executive Office of the President, Office of Science and Technology, from 1969 to 1970. He currently is chairman of the Land Productivity Panel of the Office of Technology Assessment, U.S. Congress, and chairman of the Biomass Energy Panel, Energy Research Advisory Board, Department of Energy.

Previously, he served as a member of the Commission on Pesticides of the Department of Health, Education and Welfare; as chairman of the National Advisory Council on Environmental Education of the Office of Education; and as a member of the Pesticide Advisory Council of the Environmental Protection Agency.

Dr. Pimentel, professor of insect ecology and agricultural sciences at Cornell University since 1955, is the author of more than 200 scientific publications, including eight books.

He is a fellow of the American Association for the Advancement of Science and the Canadian Entomological Society and a member of the American Academy of Political and Social Science.

The AIBS meeting is expected to bring



Dr. Pimentel

more than 2,000 biological scientists to the campus. General co-chairmen of the meeting are Dr. Edward G. Buss, professor of poultry science, and Dr. Eugene S. Lindstrom, head of the Department of Biology.

Private giving reaches record high in 1981-82 at University

Private giving to The University hit a record high in 1981-82, it was announced today.

Gifts from individuals, corporations and foundations totaled more than \$15 million for the fiscal year. That was an increase of \$3.7 million or about 33 percent over last year's private giving.

"We're especially pleased with these gains in light of the general state of the economy," said President Oswald. "The biggest single increase was in giving by corporations. Penn State received more than \$6.5 million from corporations and businesses this year. That is 61 percent more than last year."

Also, Dr. Oswald said, giving to the University's annual fund this year totaled \$3.47 million, up 16 percent over last year's figure.

He and Vice President for Development Joseph Mansfield attributed the increase, in part, to efforts of the Penn State Fund

Council, a newly reorganized group of alumni and friends that advises the University on fund-raising matters.

They also noted that the various colleges within the University have greatly intensified their fund-raising campaigns. About \$2.7 million of the total increase this year was in support of programs within the colleges.

The College of Medicine attracted the largest share of gifts. The College of Engineering was second and the College of Agriculture, third.

In all, Penn State received 60,656 individual gifts this year, an increase of 21 percent over the number of gifts received last year.

Foundations gave more than \$2 million, including major gifts from the John D. and Catherine T. MacArthur Foundation and the W.K. Kellogg Foundation for research and instructional projects.

Individual gifts from alumni and friends of Penn State totaled more than \$4.7 million, up from more than \$4.4 million last year.

"One trend this year has been to give gifts-in-kind," Mr. Mansfield noted.

For example, Tempel Farms in Wadsworth, Ill., gave Penn State 15 lippizan horses to be used in a 4-H program of horse-riding as therapy for physically handicapped people. The horses are worth \$75,000.

Fujitsu Fanuc, a Japanese firm, gave a robot to the College of Engineering, the second such gift that company has given in recent years. Contributions of equipment representing new technologies have become vitally important to the University, Mr. Mansfield said.

(Continued on page 3)

Computer systems director is appointed

J. Gary Augustson of Laurel, Md., has been named director of Computer and Information Systems and special assistant to the president, effective Sept. 1.

"Computer and information systems are gaining increasing importance on college and university campuses across the country," President Oswald noted, in announcing the appointment to the newly-created post. "To properly guide and coordinate our planning and development, we need strong leadership in this area — leadership that I am sure Mr. Augustson will provide."

Dr. Oswald said the new director will have planning responsibility for both administrative and academic computing,

working closely with the president and the appropriate academic and administrative staff members. He will be concerned with University data bases, codes and standards, communication systems and networking design.

Mr. Augustson will work closely with both centralized and decentralized units at all campus locations, and will be responsible for the development and management of a data communications system linking colleges and campuses. He will evaluate requests for the equipment, with emphasis on cost-effectiveness and compatibility, and will make recommendations to the president on

First annual Keystone State Games are slated for Aug. 13-16

The University Park Campus will resemble a giant sports camp Aug. 13-16 as approximately 3,000 amateur athletes gather here for the first annual Keystone State Games.

Competition and exhibitions for men, women, boys and girls in 28 different sports will take place on campus and as far afield as the Stone Valley Recreation Area and the Scotia Range.

The opening ceremonies for the games will be held at 7:30 p.m., Friday, Aug. 13, at Jeffrey Field. Athletes representing the different areas of sport competition will parade onto the field with each group led by two prominent Pennsylvania athletes.

Governor Thornburgh and President Oswald will be among the persons welcoming the athletes from the reviewing stand. A torch brought by relays of 20 different runners from the State Capitol Building in Harrisburg will be lighted to signal the start of the games.

In the event of rain, the opening ceremonies will be held at Recreation Bldg.

The games are the culmination of a summer-long qualifying process throughout the state. The competition is billed as "A Festival of Sports for Pennsylvania's Amateur Athletes." It's

open to all Pennsylvania residents who have lived in the state for at least 30 days and meet the requirements specified by the various sport committees conducting competitions.

Participation in the competition is divided among age groups and levels of expertise.

The games are a project of the Governor's Council on Physical Fitness and Sports. Walter Conti of Doylestown is president of the Keystone State Games Board of Directors. Mr. Conti also is president of the University Board of Trustees.

The games are funded by donations and are supported by Pennsylvanians who have devoted their time and talent to the project.

Saturday and Sunday, Aug. 14-15, are the busiest for competition with events scheduled from 8 a.m. until late evening. Monday, Aug. 16, will be the final day of events.

The competition schedule and sites: Archery, Aug. 14-15, Flower Gardens archery area; Baseball, Aug. 14-16, Beaver Field; Basketball (men), Aug. 13-15, Rec Hall South Gym and White Building; Aug. 16, championship game, 1 p.m., Rec Hall; Basketball (women), Aug. 13-15,

White Building, and Aug. 16, championship game, 11 a.m., Rec Hall; Boxing, Aug. 14, 7:30 p.m., White Building; Canoe, Aug. 15, Stone Valley Recreation Area.

Volunteers needed

Some 200 to 300 volunteers are needed for the first annual Keystone State Games.

Volunteer help is needed from 8 a.m. to 8 p.m. during the four-day festival as scorekeepers, timers, equipment set-up and for registration. All ages are welcome and no sport experience is necessary.

Interested persons are asked to contact Kim Muller, 105 White Bldg., phone 865-7591, Monday through Friday.

Gymnastics (men), Aug. 15, 7:30 p.m., Rec Hall; Gymnastics (women), Aug. 15, 2 p.m., Rec Hall; Ice Hockey, Aug. 14-15, Indoor Sports Complex; Judo, Aug. 15, Rec Hall South Gym.

Kayak, Aug. 15, Stone Valley Recreation Area; Rowing, Aug. 15, Stone Valley Recreation Area; Rugby (exhibition), Aug. 14, 2 p.m., Flower Gardens field; Shooting sports, Aug. 14-15, Scotia Range; Soccer, Aug. 14-16, Jeffrey Field and intramural fields; Softball, Aug. 13-14 (playoff, if necessary, Aug. 15), Lady Lion Field; Squash (demonstration), Aug. 14, 2 p.m., White Building.

Swimming, Aug. 13-16, Natatorium outdoor pool; Synchronized Swimming, Aug. 14-15, Natatorium indoor pool; Team Handball (exhibition), Aug. 14, 2 p.m., Intramural Building; Track, Aug. 15, Nittany Lion Track; Volleyball, Aug. 13-16, Rec Hall South Gym and Intramural Building; Water Polo, Aug. 14-15, Natatorium indoor pool; Weightlifting, Aug. 14, Intramural Building.

Wheelchair Games, Aug. 14, Intramural Building; Nittany Lion Track Wrestling, Aug. 13-14, Rec Hall.

There is no charge for attending any Keystone State Games event.

Cycling, Aug. 15, start and finish at Jeffrey Field; Diving, Aug. 14-15, Natatorium indoor diving pool; Fencing, Aug. 14-15, White Building; Field Hockey, Aug. 14-15, Flower Gardens field;

Penn Staters

Dr. Henry S. Albinski, professor of political science and director of the Australian Studies Center, delivered a paper on Australian-American relations at the Australian and New Zealand American Studies Association conference in Brisbane, Australia, and participated in a panel discussion on Australia's Asian role at an Australian Institute of International Affairs conference in Sydney.

He also has been appointed to the advisory board of the Asia Society's "America's Asian Agenda" research and national public information program.

Nina C. Brown, director of the Artists Series and Nittany Mountain Summer, has been appointed to the Presenting Organizations Advisory Panel of the Pennsylvania Council on the Arts.

As a member of the advisory panel, Mrs. Brown will make recommendations on the artistic merit of grant requests submitted to the Council and on the amount and type of funding appropriate to each request. Her appointment is for one year.

Dr. H. Seymour Fowler, professor of education, received an Outstanding Leadership in Education Award from the University chapter of Phi Delta Kappa, the professional education fraternity. Dr. Fowler was cited for his efforts to improve science education in Pennsylvania schools for the past 25 years.

He also received the Faculty Service Award of the National University Continuing Education Association's Conferences and Institutes Division. The award recognizes faculty members who are not members of an extension or continuing education department but have made outstanding contributions to programs in those areas over an extended period of time.

Dr. Joseph L. French, professor of special education and educational psychology, is the 1982 recipient of the Distinguished Service Award "for outstanding service in psychology and education" from the Pennsylvania Psychological Association. He was cited as an author and for his application of psychology outside traditional laboratories and clinics.

Dr. French, professor in charge of the Graduate Program in School Psychology and Educational Psychology, served as president of the School Psychology Division of the American Psychological Association, and currently is a member of the Association's Committee on Accreditation and Executive Committee.

Mary J. Kummer, assistant professor of engineering graphics, has been elected to a two-year term as chairman of the Women in Engineering Committee of the American Society of Electrical Engineers.

Dr. Gary W. Petersen, professor of soil genesis and morphology and director of the Office for Remote Sensing of Earth Resources, received the annual teaching award of the Northeastern Branch, American Society of Agronomy.

Richard Porter, registrar of the Museum of Art, has been elected to the National Council of the American Association of Museums (AAM).

More than 1,500 institutional members — including museums of all types and sizes — and nearly 6,000 individuals belong to the AAM. Mr. Porter previously served as vice-chairman of the AAM's Registrars' Committee and represented the Committee for one year on the Council.

Dr. William Steele, professor of chemistry, served as visiting professor at Ruhr Universität, Bochum, West Germany, from April 15 to July 15. While there, he presented invited lectures at the semi-annual meeting of the Collaborative

Computational Project on Molecular Dynamics, Royal Holloway College, University of London; International Symposium on Symmetries and Properties of Non-Rigid Molecules, Paris; Physical Chemical Society of the University of Vienna; Ivan Strinsky Research Institute of the Technical University of Berlin; and the Physical Chemistry Department of the University of Dortmund.

Dr. Richard G. Stoker, assistant professor of communication disorders, has been elected to a three-year term on the board of directors of the Alexander Graham Bell Association.

The Washington D.C.-based agency deals with matters that affect the deaf community. It promotes the teaching of speech and speech-reading and the use of residual hearing.

Promotions

Faculty

John C. Attig to senior assistant librarian.
Paul F. Clark to assistant professor of labor studies.

Louise M. Garraux to senior assistant librarian.

Linnea Hendrickson to senior assistant librarian.

Jerome F. Holway to assistant professor of film.

William Meacci to assistant professor of physical education at Beaver.

Michael J. Muma to adjunct professor of physics.

Richard Plishka to assistant professor of computer science at Worthington Scranton.

Mary C. Saylor to assistant professor of home economics.

John H. Sulzer to senior assistant librarian.

Susan A. Ware to senior assistant librarian at Delaware County.

Lydia W. Wasylenko to senior assistant librarian.

Staff Exempt

Michael F. Belinc to senior systems programmer in Management Services.

Baiba Briedis to administrative assistant in Liberal Arts.

William B. Devlin to assistant director for personnel and support services in Agriculture.

Melissa K. Evanchio to personnel assistant in Agriculture.

E. Louis Johnson to applications programmer/analyst in Management Services.

Ann McLaren to veterans affairs specialist in Student Affairs.

Robert O. Poorman to supervisor, Maintenance in Science.

Lawrence J. Pruss to director of administrative services in Agriculture.

Russell J. Rossman to assistant university auditor in Controller's Office.

Nancy M. Stanley to supervisor, Information Processing in Libraries.

Thomas R. Steinmeyer to senior application programmer/analyst in Planning and Budget.

Beatrice Talifero to janitor foreman at Ongitz.

Staff Non-Exempt

Kathleen A. Benje to senior staff nurse at Hershey.

Melanie R. Epler to research technician at Hershey.

Louis J. Fabian to staff assistant in Business Administration.

Marcia M. Haluga to administrative aide in Earth and Mineral Sciences.

Nancy Lautenschlag to research technician at Hershey.

Jacklyn S. Powers to research technician at Hershey.

Marsha A. Shivery to staff assistant in Agriculture.

Toula P. Zeppos to senior nutritional care technician at Hershey.

Clerical

Darlene G. Bachmann to records clerk A in Controller's Office.

Retirements



Professor Farr

Dr. Grant N. Farr, professor of economics, retired June 30 with emeritus rank after 18 years of service.

Dr. Farr earned degrees in commerce, business administration and economics from the University of California at Berkeley. He came to Penn State in 1963 from the University of Colorado at Boulder, where he was chairman of the economics department.

He headed the Penn State Economics Department from 1963 until 1978. With a research emphasis in economic history and the economic policies of the New Deal of the 1930's, Dr. Farr has delivered numerous papers and talks to such groups as the Western Economic Association, the Brookings Institution and the Institute for Research on Human Resources. He also wrote the book, *The Origins of Recent Labor Policy*.

Dr. Farr is a former board member of the Eastern Economic Association and former vice-president of the Pennsylvania Conference of Economists. He is former acting director of the Institute for Research on Human Resources, and is now on the advisory committee of the Center for the Study of Higher Education.

An active member of the University Faculty Senate, he has chaired several committees, and served on numerous University search committees. A 1946 Flood Fellow in Commerce at the University of California at Berkeley, Dr. Farr was a visiting professor there in 1956, 1963 and 1969.

Dr. Marvin H. Runner, assistant professor of ornamental horticulture, retired June 30 after 22 years of service with the University. For the past nine years, he was supervisor of the Penn State trial gardens.

Judy Bell to secretary B in Earth and Mineral Sciences.

Winifred R. Bittner to room clerk in Nittany Lion Inn.

Tracy L. Bock to clerk, typist B in Registrar.

Marilyn G. Ferlez to secretary B in Applied Research Laboratory.

Betty L. Nierberger to senior clerk in Libraries.

Barbara G. Ruff to technical secretary B in Applied Research Laboratory.

Audrey L. Smith to secretary B in Intercollegiate Research Programs.

Technical Service

Kim Joseph Baney to utility worker in Nittany Lion Inn.

LoAnn Burke to patient service aide at Hershey.

Gerald E. Kistner to maintenance worker, utility in Applied Research Laboratory.

Charles R. Mader to mechanic, maintenance A at Hershey.

Donald R. Peterson to guard in Applied Research Laboratory.

Fay R. Smith to senior instrument processing aide at Hershey.



Professor Runner

Since 1972, Dr. Runner has served as an official judge for All-America Selections, the non-profit educational organization that evaluates new varieties of annual flowers. He also has served as a member of the All-American group judging roses. In 1974 he received the All-America Rose Selection Plaque for "outstanding service in judging roses."

For a number of years Dr. Runner gave advisory help to exhibit chairmen of the annual Horticulture Show, held each fall. The Horticulture Show was dedicated to him in 1971.

Dr. Runner is a member of the American Association of Botanic Gardens and Arboreta. He also is active in Pi Alpha Xi, floricultural society, and the American Rock Garden Society.

"Let's just say I retired with regrets," commented Barbara S. Riden, residence hall worker, on her June 30 retirement. Mrs. Riden came to the University on Nov. 15, 1960, and started working as a residence hall worker in Atherton Hall. In 1961, she transferred to Irvin Hall in West Hall where she served the remainder of her career.

"The best 21 years of my life were at Irvin Hall," she noted. "I loved Irvin Hall."

Mrs. Riden presently resides in Spring Mills.

Marc L. Guttentag, instructor at Schuylkill, from Sept. 1, 1969, to July 1.

Anthony J. Meta, assistant director of resident instruction at Beaver, from May 1, 1967, to July 1.

Matilda A. Stover, research nurse at Hershey, from Nov. 1, 1970, to May 29.

Obituaries

Dr. Carolyn Wood Sherif, an award-winning psychologist and professor of psychology, died July 23 at the age of 60.

During her career, Dr. Sherif was the recipient of numerous awards and honors among them the Association of Women Psychologists' Distinguished Publication award (1979-80), the Penn State College of Liberal Arts' Alumni Distinction in the Social Sciences award (1982) and the American Psychological Foundation's Contribution to Education in Psychology award (1982), which she was to have received in August.

A graduate of Purdue University, she received the master of arts degree in psychology from the State University of Iowa and a doctorate in psychology from the University of Texas. She served as visiting lecturer and visiting associate professor at the University and joined the faculty in 1966 as associate professor of psychology. She was promoted to professor in 1970.

(Continued on page 2)

Sherif

(Continued from page 2)

Dr. Sherif was a visiting professor of psychology and sociology at Cornell University in 1969-70, and a distinguished visiting professor at Smith College in 1979.

Surviving is her husband, Muzaffer Sherif, professor emeritus of sociology, with whom she worked together on numerous studies since 1945. They were co-authors of 10 books.

Also surviving are three daughters: Sue, of Fairbanks, Alaska; Joan, of Gastonia, N.C.; and Ann, of Ann Arbor, Mich.; and one sister, Martha Hardin, of St. Louis, Mo.

A memorial service will be announced at a later date, and memorial contributions may be made to the University's Office of Gifts and Endowments, 116 Old Main.

Dr. Robert E. Rawdon, a physician and adjunct clinical assistant professor of education, died as a result of an automobile accident July 21. Dr. Rawdon lived in Reedsville and maintained his practice in Lewistown.

At Penn State, he performed out-patient treatment for the Speech and Hearing Clinic of the College of Education's Division of Special Education and Communications Disorders.

Helen S. Butler, Centre County Extension Home Economist from Aug. 1, 1938, until her retirement Jan. 1, 1967, died June 26. She was 79.

Marion Z. Groninger, records clerk in the College of Agriculture from Dec. 1, 1958, until her retirement May 1, 1969, died July 8 at the age of 78.

Theodore G. Ripka, residence hall maintenance worker, Housing and Food Services, from Oct. 1, 1965, until his retirement April 3, 1976, died July 19 at the age of 69.

Ralph L. Weaver, lab animal caretaker in the College of Agriculture from Dec. 1, 1956, until his retirement Oct. 1, 1977, died July 9. He was 69.

Augustson

(Continued from page 1)

major acquisitions. Advising the new director will be an academic users committee, an administrative users committee and an equipment committee.

Over the past 16 years, Mr. Augustson has held key posts in three agencies of the federal government — the International Communication Agency, the Department of the Treasury and the National Security Agency. He also served on the President's Panel on Information Technology, working with senior private industry and government officials to improve the use of modern information technology.

Since 1979, he has been director of systems technology at the International Communication Agency, where he directed a staff of 170 people, and developed and implemented information systems used around the world.

Mr. Augustson holds a bachelor's degree in mathematics and physical sciences from the University of Michigan and a master's degree in computer science from the University of Maryland.

News in Brief

Many Hershey graduates stay in Pennsylvania

Almost one-half of the recent graduating class members of the College of Medicine at the Milton S. Eisenhower Medical Center are remaining in Pennsylvania for their graduate medical education.

Dr. Harry Prystowsky, provost and dean, said 44 class members, or 47 percent, remain in Pennsylvania, while 48, or 51 percent, are elsewhere, including six in the Armed Forces.

"Fifty-eight percent of the graduates," Dr. Prystowsky added, "have chosen to pursue their graduate medical education in primary care disciplines."

Of the 101 students accepted tentatively in the College of Medicine's Class of 1986, 85, or 84 percent, are Pennsylvania residents. Twenty percent are female, and six percent are minority students.

Dr. Prystowsky said there are 54 undergraduate colleges represented in the class, including 20 Penn State students. He noted that the mean grade point average of the students is 3.69, with 31 percent having grade point averages of 3.9 or higher.

Of 211 resident physicians currently associated with the College of Medicine for their graduate medical education, 45, or 21 percent, are graduates of the College.

According to Dr. Prystowsky, 200 of the residents are graduates of medical schools in the United States, with 52 percent of the schools represented. He said that 94, or 44.5 percent, have chosen to serve their residencies in primary care positions.

Conference center approved at Berks

A new conference center will be established at the former Janssen/Wetzel property, now part of the Penn State Berks Campus, under action taken by University Trustees.

Immediate development of sewer, water and electrical services which will cost about \$200,000 was approved by the board as was establishment of the "Berks Campus Conference Center Fund," which will accept private gifts for the project.

Dr. Harold W. Perkins, Berks Campus director, said the conference building, formerly the stone barn which served as the social quarters for the former estate, will be open for limited educational use by the campus for groups of up to 50 people early next year.

The main home of the property will be converted for office use at the outset by the regional university agricultural and home economics extension office serving an eight-county area in Southeastern Pennsylvania. The four other buildings on the property will be used by the campus maintenance and security departments.

The board action opens the way for immediate development of the conference center, Dr. Perkins noted. Long-range plans call for further alterations to the conference center to accommodate larger conference and community groups of up to 100 people. The main home would also be modified further to allow use of the second floor.

Funding for the long-range development is expected to come principally through a capital campaign for \$1 million or more which has been scheduled for 1987-88, Dr. Perkins said. The 24-acre property with six buildings was given to the campus by the late Helen Janssen Wetzel, daughter of Mr. and Mrs. Janssen, and turned over to the campus for educational use earlier this year.

Nutrition researchers hold joint meeting

The University hosted approximately 350 nutrition researchers from across the United States and Canada last week at a joint meeting of the American Institute of Nutrition, the American Society for Clinical Nutrition and the Canadian Society for Nutritional Sciences.

More than 100 papers were presented at the meeting July 22-24. Four major symposia were held on Adaptive Thermogenesis, Lipoproteins and Atherosclerosis, Appetite and Exercise: Metabolic and Hormonal Relations, and Nutrition and Bone Development in Low

Faculty/Staff Alerts

The Employee Benefits Division reminds faculty and staff members who are themselves and/or have spouses approaching age 65 to contact their local Social Security office in order to enroll in both parts of Medicare. It is recommended that enrollment be initiated three months prior to one's 65th birthday.

Medicare Part A is designed to cover hospital charges and is free for most people. Part B covers charges by doctors and presently costs \$12.20 monthly. Faculty and staff members while still employed are reimbursed by the University for this cost for themselves and/or spouses. It is strongly suggested that Part B be maintained; otherwise, there will be a serious gap in health care coverage.

At age 65, the coverage provided by the University Medicare Supplement (UMS) is designed to pay some of the bills not covered by Medicare. Basically, benefits provided under the University Medicare Supplement are the same benefits provided for people under age 65, except the benefits are offset by those provided by Medicare.

Position vacancies

There are positions in certain work units that, because of the large number of such positions, frequently are still available after employees in the work unit have been considered. They are

listed below and will not be listed on an individual vacancy basis. Application for such positions may be made at any time, and you are welcome to make your interests known now to the Employment Division for future consideration when such vacancies occur. These positions are:

POSITION TITLE	LOCATION
Assistant Food Supervisors	Housing and Food Services
Computer Operators	Intercollege Research Programs
Shifts: 8 a.m. to 4:30 p.m. 4:30 p.m. to 1 a.m. Midnight to 8 a.m.	
Programmers	Management Services
Research Aides	Agriculture
Cardiology Technicians	Hershey
Clinical Laboratory Assistants	Hershey
Clinical Laboratory Technologists (HEW)	Hershey
Critical Care Monitoring Technicians (Jr. & Sr. Levels)	Hershey
Cyto-Technologists	Hershey
Licensed Practical Nurses	Hershey
Medical Technologists (CLIA, CLMT, CLT, HEW)	Hershey
Nuclear Medical Technicians	Hershey
Perfusionists	Hershey
Pharmacists	Hershey
Physical Therapists	Hershey
Physician's Assistants	Hershey
Psychiatric Assistants	Hershey
Radiology Technicians	Hershey
Research Technicians (Jr. & Sr. Levels)	Hershey
Respiratory Therapy Technicians	Hershey
Salt Nurses	Hershey

Birth Weight Infants.

Dr. Helen Guthrie, head of the Nutrition Program in the College of Human Development, was program chairman for the joint meeting. The Penn State committee involved in the planning for the event included Dr. Elsworth Buskirk, professor of applied psychology; Dr. Gary Fostmire, assistant professor of nutrition; Dr. Michael Green, assistant professor of nutrition; Dr. Truman Herschberger, associate professor of animal nutrition; Dr. Roland Leach, professor of poultry science, and Dr. Jose Mendez, professor of health and applied physiology.

Corporations form the bulk of the employers that arrange interviews on campus and many liberal arts grads do not seek careers in business and industry. Of the liberal arts graduates who received job offers from business and industry this year, the average starting salary was \$17,436.

Math appoints new head of Department

Dr. Gerard Lallement, professor of mathematics, has been named head of the Department of Mathematics.

The department has a rotating three-year headship. Dr. Lallement succeeds Dr. George E. Andrews, Evan Pugh professor of mathematics, who has resumed full-time teaching and research.

Dr. Lallement joined the faculty in 1969 as an associate professor and was promoted to professor in 1976. Previously, he served on the mathematics faculty at the University of Reims, France.

During the 1966-67 academic year, he was a Fulbright visiting assistant professor at Penn State and also did post-doctoral research here. In 1975-76, while on leave from Penn State, Dr. Lallement was a visiting lecturer at the Computer Programming Institute (Institut de Programmation) of the University of Paris.

A leading researcher in the algebraic theory of semigroups, automata theory, formal languages, and coding theory, Dr. Lallement earned his undergraduate and doctoral degrees at the University of Paris.

College presents award

Dr. June E. Baskin, supervisor of art in the Williamsport Area School District, has received the "Excellence in Education Award" of the College of Education Alumni Society.

The award is presented to a Penn State graduate who has made exceptional contributions to education.

INTERCOM is an internal communications medium published for the faculty and staff of The Pennsylvania State University.

William E. Campbell, Jr., Editor
Calendar Editor — 865-2501

Calendar

July 29 — August 12

Thursday, July 29

Festival Theatre, Rodgers and Hammerstein, *South Pacific*, 8 p.m., The Playhouse. Also July 30-August 1. August 3-8 and August 10-15. Sunday performances at 7:30 p.m.

Friday, July 30

"Spend A Summer Day" Program.

Saturday, July 31

France-Cinema, Bunuel, *Viridiana*, 7 and 9 p.m., Room 112 Kern. Also August 2.

Monday, August 2

Deadline for prospective graduate students to submit completed application materials for admission to the Fall Term 1982. Deadline for graduate students to apply for permission to resume study in the Fall Term 1982.

Tuesday, August 3

Red Cross Bloodmobile, 10 a.m.-4 p.m., HUB Ballroom. Shaver's Creek Environmental Center, Reptiles and Amphibians, 10 a.m., Sunset Park. Microcomputer Users Group meeting, 7:30 p.m., 189 Materials Research Lab. GSA Exploragana film, *In the Heat of the Night*, dusk, Fisher Plaza.



Inouly Curtis' "Zig, Zag," a fiber sculpture, is included in the "Crafts Sixteen" exhibition on display at the Museum of Art through Sept. 12.

Wednesday, August 4

Late drop deadline (ten week Summer Term).

Thursday, August 5

Last day to sign Summer Term NDLS and

University Long Term Loans, Room 108 Shields.

IBM Personal Computer Group meeting, noon, 110 Computer Bldg.

Fred Waring Music Workshop Youth Choral Concert, 8 p.m., Schwab. Also August 6.

Friday, August 6

"Spend A Summer Day" Program.

Commonplace Theatre, *Everything You Always Wanted to Know About Sex*, 7 p.m.; *Stripes*, 9 p.m., Room 112 Kern. Also August 8.

Saturday, August 7

France-Cinema, Wertmuller, *Scout Away*, 7 and 9 p.m., Room 112 Kern. Also August 9.

Sunday, August 8

American Institute of Biological Sciences (AIBS) meeting, through Aug. 12. Shaver's Creek Environmental Center, Wildflower Walk, 2 p.m., Nature Center.

Monday, August 9

Late drop deadline (eight week Summer Term).

Tuesday, August 10

APPLE Users Group meeting, 7:30 p.m., 189 Materials Research Lab. GSA Exploragana film, *Some Like It Hot*, dusk, Fisher Plaza.

Exhibits

Chambers Gallery

Gallery hours: 9 a.m. to 5 p.m., weekdays. Philip Sauerlender, printmaker.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., August 5, 1982. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (P.S. II) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

COORDINATOR, HOSPITAL MARKETING,

COLLEGE OF MEDICINE, HERSEY —

Responsible to the hospital director for various activities to analyze the need or use of hospital services and to redirect or add services; to coordinate activities to acquire funds and to communicate hospital activities to the community or various groups. Identify and evaluate pragmatic needs, perform analysis of potential new program areas for feasibility of demand, financial viability, inter-institutional impact, etc. A bachelor of science degree in business administration, journalism or other appropriate area and over two and up to four years of effective experience.

MANAGER OF FINANCIAL OPERATIONS,

COLLEGE OF AGRICULTURE, UNIVERSITY

PARK — Responsible to the director of Administrative Services for managing the financial operations for the College of Agriculture. Oversee the research, instruction and extension financial programs and provide management support on College budgeting processes and special financial management studies. Retain surveillance over funds from all sources and be knowledgeable of funds status at all times. Responsible for the supervision and management to improve financial, personnel, professional, and dental staff either directly or through subordinate financial specialists.

Meet with department heads to discuss various financial rules and regulations of the University, Federal USOA and the State PDA to insure compliance. Analyze financial trends and recommend various reports and financial studies relative to improving accountability and planning. Bachelor's degree or equivalent in business administration plus over four and up to five years of effective experience.

CUSTOMER SERVICE REPRESENTATIVE,

OFFICE OF PHYSICAL PLANT, UNIVERSITY

PARK — Responsible to the supervisor of planning and scheduling for Physical Plant/Customier liaison. Obtains project details

following project requests from customers. Prepare estimates identifying manpower and materials necessary to complete a project. Coordinates and schedules facilities, designs, materials, and trades with both customers and OIT personnel. Associate degree or equivalent technical training such as an apprenticeship in a building trade, plus two to three years effective experience in estimating construction and maintenance work for the building trades. Public relation skills essential.

COLLEGE HEALTH NURSE, HAZLETON

CAMPUS — Responsible administratively to the dean of student affairs and professionally to the administration of the University Health Services through the director of Nursing Services for providing nursing care to the student body, including the treatment of minor and temporary illnesses and accidents, plus making appointments and referring students to a physician or hospital when necessary and appropriate. Graduate of an accredited nursing program or its equivalent and current licensure in Pennsylvania as a registered nurse, plus six to nine months of effective experience in public health nursing or other related institutional nursing experience.

COORDINATOR OF PUBLICATIONS/PUBLIC

RELATIONS, COLLEGE OF MEDICINE,

HERSEY —

Responsible to the director of public relations for the preparation of various publications and information to be released internally or to the public and assist in the development, implementation, and management of various programs to accomplish the goals and objectives of the Public Relations Department. A bachelor's degree or equivalent in journalism or related field plus one to two years of effective experience in writing and editing publications. Knowledge of printing procedures and news media practices is required.

SENIOR AUDITOR-COMPUTER SYSTEMS,

CONTROLLER'S OFFICE, UNIVERSITY

PARK — Responsible to the assistant university auditor for the analysis of systems and the development of computer programs to audit and evaluate the integrity of processing and reliability of controls in systems pertaining to a wide variety of University operational, financial and administrative activities. Bachelor's degree (or equivalent) in accounting, computer science or related management field plus two to four years of effective experience in internal auditing or in financial or operational facets of administration, including some experience in system design or programming. Incumbent must be able to express himself/herself well both orally and in writing.

FINANCIAL AID COORDINATOR -

COMMONWEALTH CAMPUSES, OFFICE OF

STUDENT AID, UNIVERSITY PARK —

Responsible to the assistant director of student aid for providing aid delivery functions for Commonwealth Campus students, and for

assisting in the internal administration and operation of all financial aid programs, develop and maintain a strong working knowledge of all federal, state, and institutional sources of financial aid; assist students with financial concerns by providing information, counseling, and referral to other services; assist in the awarding and adjusting of financial aid packages. Master's degree or equivalent in student personnel services, public administration, business administration, or other related fields, plus up to one year of effective experience is required.

SENIOR INSTRUCTIONAL SERVICES

SPECIALIST, OGONTZ CAMPUS —

Responsible to the assistant director (resident instruction) to provide and encourage use of a wide variety of instructional resources by faculty and students; to investigate, evaluate, and implement innovations in instructional methods and media; and to provide input concerning instructional media for long-range developmental planning. Bachelor's degree or equivalent required, master's degree or equivalent preferred, with one to two years of effective experience in instructional media and related processes. Supervisory experience desirable.

TECHNICAL SUPERVISOR, COLLEGE OF

ARTS AND ARCHITECTURE, UNIVERSITY

PARK — Responsible to the department head and production coordinator of theatre and film for providing technical supervision of university theatre productions in the areas of scene construction, rigging, properties, drafting, and scenic painting. In addition the candidate will supervise and train student production crew heads and crews assigned to the above areas. Bachelor's degree in fine arts or equivalent, preferably in technical theatre, plus a minimum of one year's effective experience in either an academic or professional scenic studio.

Kern Gallery

Gallery Hours: Monday through Saturday, 8 a.m.-11 p.m.; Sunday, noon-11 p.m. Joel Weiss, photography. Cheryl King, paintings and drawings, opens August 2.

Museum of Art

Museum hours: 11 a.m.-4:30 p.m. Closed Mondays. Tours, Sundays, 1:30 p.m. Selections from the Museum's collection. CPFA juried crafts. CPFA Painters of Central Pennsylvania Invitational.

Pattee Library

East Corridor Lobby: Literary Expressionism and German Political and Commercial Posters. Andrea Benson, recent work, through August 7. Susan Stewart, watercolors.

2nd Floor, East Pattee: Mushroom Reference Collection of Professor Emeritus Leon Kneebone.

Betty Ayers, prints, opens August 10.

Ree Books Room:

World's Fairs, through August 4.

Pennsylvania-German Imprints from the Ammon Stapleton Collection, through August 2.

Mushrooms in art and history. An exhibit in honor of the meetings of the American Institute of Biological Sciences, opens August 6.

Visual Arts Zoller Gallery

Gallery hours: 9 a.m. to 5 p.m., weekdays. Charles Hollingsworth, paintings, and Karen Shlomborg, ceramics, opens August 1.

INSTRUCTIONAL SERVICES SPECIALIST,

OGONTZ CAMPUS —

Responsible to the senior instructional services specialist to provide instructional services to all faculty at the campus, for processing orders for instructional materials and equipment; for supervising student assistants, and for some simple production of materials such as audio tapes, overhead transparencies, and slides. Bachelor's degree or the equivalent in education or instructional media plus minimum of one year of effective experience.

SENIOR INSTRUCTIONAL SERVICES

SPECIALIST, ALTOONA CAMPUS —

Responsible to the associate director for academic affairs for providing instructional support services to all faculty of the campus, for identifying and supervising student assistants, and for developing and maintaining instructional equipment and materials checked and recording procedures. Provide some production of instructional materials at the campus, including simple television recording, and work with appropriate service units at University Park for instructional services not available on the campus. Bachelor's degree or equivalent required, master's degree or equivalent preferred, with one to two years of effective experience in instructional media and related process. Supervisory experience desirable.

WORD PROCESSING SUPERVISOR,

COLLEGE OF MEDICINE, HERSEY —

Responsible to the manager, Medical Records Services, for the efficient operation of the word processing center to include determination of priorities and supervision of clerical employees. Graduation from a medical secretarial program, plus one to two years of effective medical transcription and supervisory experience. Knowledge of automated word processing equipment desirable.

INTERCOM

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312 Old Main

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The Pennsylvania State University

Penn State Intercom

Changes are announced for calendar plan

President Oswald has announced several modifications in the semester calendar which begin with the fall of 1983.

The major policy revisions are:

- The fall and spring semesters will include fifteen weeks of instruction exclusive of registration, orientation, study days and the final examination period.
- Classes will begin before Labor Day every year.
- There will be two Study Days between the last day of classes and the first day of examinations in the fall and spring semesters.
- The primary class period will be 50 minutes with a 15-minute interval between classes; the number of minutes per credit will be the same as it is now.
- The class day will begin at 8:00 a.m. and end at 5:30 p.m. at University Park; all other campuses may choose the class schedule most appropriate to their needs.

The beginning and ending dates of the instructional period of the semesters and summer session will be the same for all Penn State locations.

Other policies established in the March 12, 1981 INTERCOM remain in effect.

The complete statement from President Oswald together with the basic dates for the semester calendar from 1983-84 through 1987-88 are in the August 12, 1982 issue of *Semester*, A Newsletter on the Penn State Semester Calendar which is being distributed with this issue of INTERCOM.

The modification to the semester calendar creates an overlap with the end of the Summer Term, 1983, based on previously established dates.

Since the University has experience with an eight-week summer term and since a number of programs are only eight weeks

(Continued on page 3)



High dive at the Natatorium outdoor pool.

Photo by Scott Johnson

Cornell scientist urges wiser use of technology in future

Technology has, in most instances, modified, disrupted and even destroyed important parts of the complex natural ecological system on which we depend. It may be possible to use technology more wisely in the future, but it's doubtful that we will.

That's the view of Dr. David Pimentel, professor of insect ecology and agricultural sciences at Cornell University, who gave the keynote address Monday at the 33rd annual American Institute of Biological Sciences meeting at the University Park Campus. More than 2,000

biological scientists attended the five-day meeting which ended today.

"Although most technologies have an associate negative impact, the rapid growth of the U.S. population has also directly contributed to reduced biological diversity and been responsible for degraded soil, water, and atmospheric quality," he added.

"If the U.S. population continues to grow 24 percent in the next quarter century, our vital biological and physical resources will be seriously depleted. The result could be a decline in the quality of

life we know and value today in the United States," he warned.

Speculating on future ecological impacts of major new technologies, Dr. Pimentel saw equally ominous signs for the energy, agricultural, forest, and chemical technologies.

On the positive side, he said, "Surely conservation and recycling technologies used in reducing the quantity of energy being consumed could have a positive impact in the future. Both can be expected to increase as prices of fossil fuels escalate."

Neither rain, nor sleet, nor snow, nor watermelons . . .

Everyone knows that mailmen can't be stopped from their appointed rounds by snow, rain, heat, or gloom of night. But how many people know that that old saying also applies to philosophy professors?

At least it applies to Dr. Robert

Ginsberg, professor of philosophy at the Delaware County Campus.

He has not only put up with the hardships associated with mailmen, but also has overcome such obstacles as cattle stampedes, watermelon avalanches and

convoy of angry farmers on tractors — all so he could present papers, participate in conferences, and take part in other University-related activities.

In his 15 years of service to the campus, Dr. Ginsberg has driven over a quarter of a million miles, putting 150,000 miles on his 1974 Volkswagen "beetle" and 118,000 miles on his 1965 model. The distance from the earth to the moon, he observes, is only 238,860 miles.

He has been to nine of the University's campuses and has visited institutions in 17 states and five Canadian provinces. Of course, much of the mileage is attributable to the two-and-one-half-hour, 125-mile commute between the campus and his home in Takoma Park, Maryland, a suburb of Washington, D.C.

Dr. Ginsberg says he actually enjoys the commute because "it isn't the average dull drive that most commuters make, but a learning experience." He spends much of the trip thinking and recently had a tape deck installed so he can educate himself with tapes of lectures, interviews, and poetry readings.

He has seen many strange things while commuting, and many accidents, which is very sobering, he says. "But the strangest

part of the trip is the drive through the Baltimore Harbor tunnel, which is so long that once inside you can't tell if you're coming or going. That used to scare me until I realized that it really didn't matter. I would just take whatever came."

It was while commuting that he came upon a cattle truck that had just overturned. "Maryland State Troopers were trying to lasso the cattle, which were running all over the road, and failing miserably," he said. "I drove through the confusion very slowly."

Another time he was so close behind a truck when it overturned, dumping its load of watermelons, that he couldn't avoid the mess, and was guilty of numerous counts of involuntary melonicide. And the same thing happened when he was behind a lunch truck when its backdoors swung open, dumping sandwiches, cakes, and other foods onto the road.

Twice, on his way home from the campus, he got caught behind demonstration caravans en route to the nation's capitol — one, a group of angry farmers on tractors, and the other truckers in their rigs, each travelling at 15 miles

(Continued on page 3)



Dr. Ginsberg in his "beetle."

Penn Staters

Dr. Maureen Carr, director of the School of Music, has been reappointed to a two-year term by the Educational Testing Service to the Graduate Record Examinations committee of examiners for the Subject (Advanced) Music Test.

Dr. Parris Chang, professor of political science, recently visited the Soviet Union for two weeks at the invitation of the USSR Academy of Sciences.

While in Moscow, he delivered two lectures at the Institute of the Far East on "The Trends and Prospects of U.S.-China Relations" and "China's Recent Political Developments—Last Stand of Deng Xiaoping's Revolution." On his way home, he visited Ljubljana and Zagreb, Yugoslavia, under the aegis of the U.S. International Communication Agency to brief Yugoslav academic and media representatives on U.S.-China relations.

Dr. Harvey R. Gilbert, associate professor of speech communication and speech science, presented a short course on "The Scientific Bases of Speech Production in Hearing Impaired and Normal Hearing Persons" at the 1982 International Convention of the Alexander Graham Bell Association for the Deaf in Toronto.

He also presented two papers: "The Heterogeneity of Deaf Speech" and "Nasal Airflows Produced during Two Speaking Rates by Deaf Speakers." The latter paper was co-written with Ronald Hoodin, a Penn State doctoral candidate.

Dr. Richard M. Lerner, professor of child development, and **Dr. Joachim F. Wohlwill**, professor of human development, participated in the Symposium on Human Development, sponsored by the Department of Psychology, University of Stockholm, in Sodergran, Lidings, Sweden.

Dr. Lerner presented a paper on "A 'Goodness-of-Fit' Model for Person-Context Interaction."

Dr. Wohlwill's presentation was entitled "The Physical and the Social Environment as Contrasting Environmental Modes Relevant to the Development of the Child."

Dr. Dorothy V. Harris, professor of physical education, was one of five Americans selected to represent the United States at the 1982 International Session for Educationists at the International Olympic Academy, Olympia, Greece. She presented a paper entitled "Psychosomatic—Somatopsychic Relationships: Implications for Olympic Sport" to the general session.

Dr. Harris has been appointed to the eleven-member Board of Trustees for the Women's Sports Foundation. She will provide a liaison with international sports and with the educational community.

Dr. Barbara F. Ryan, research associate in statistics, has been elected chairman of the Statistical Computing Section of the American Statistical Association. She will serve as chairman-elect in 1983 and chairman in 1984. The Statistical Computing Section is one of the largest sections of the American Statistical Association, with over 6,000 members.

Dr. Warren Witzig, chairman of the Department of Nuclear Engineering, has been named to the advisory committee for a new U.S. Department of Energy fellowship.

The fellowship, administered through the Nuclear Science and Engineering and Health Physics program, will support outstanding students in graduate work leading to careers in the nuclear fission energy technologies.

David L. Young, professor and head of the Department of Landscape Architecture, has been listed in the 42nd edition of "Who's Who in America 1982-83."

Promotions

Staff Exempt

Donald W. Davis to research support assistant at Hershey.

Staff Non-Exempt

Cindy L. Luttman to licensed practical nurse/meds at Hershey.

Clerical

Debra J. Lauder to receptionist, clerk A in Housing and Food Services.

Donna L. McClain to secretary C in Housing and Food Services.

Betsy S. Smeltzer to clerk, typist A in Agriculture.

Robin L. Yeane to secretary B in Intercollegiate Athletics.

Technical Service

Jeff Armstrong to maintenance worker utility in Physical Plant.

Susan M. Bauer to residence hall worker, Housing and Food Services at Altoona.

Robert Hay to maintenance worker utility in Physical Plant.

Chester Rankin to maintenance worker utility in Physical Plant.

Daniel Selfridge to maintenance worker utility in Physical Plant.

Retirements



Prof. Kujundzic

Prof. Balmer

Zeljko Kujundzic, professor of art at the Fayette Campus, retired June 30 with emeritus rank after 14 years service.

Of Turkish descent, Professor Kujundzic was born in Yugoslavia and studied art in Venice, Italy, and in Budapest, Hungary, where he received a master of fine arts degree. He joined the Penn State faculty at the University Park Campus in January, 1968, and moved to the Fayette Campus in September of that year.

During his tenure at the Fayette Campus, he developed ceramic glazes made from Mount Saint Helen's volcanic ash. He also invented a solar powered kiln and helped pioneer the Solar Heating and Cooling Technology Program at the campus.

Known primarily as a sculptor, his bronze and silver castings have appeared in International Medallist Exhibitions in Athens, Paris, Madrid, Prague, Bratislava, Cologne, Lisbon and Gdansk. He has had more than 60 one-man shows and his most recent creation was "The Gate of Life," a 135-ton stone monument designed to commemorate the Holocaust.

Professor Kujundzic will spend the first two years of his retirement planning and directing the first International Ceramic Academy Exhibition ever held in the United States. It is planned for fall, 1984, in Seattle, Washington.

Louis W. Balmer, associate professor of chemistry at Behrend College, has retired after 34 years of service.

Professor Balmer joined the original Behrend faculty as instructor in chemistry when the campus was founded in Erie in 1948. He was promoted to assistant professor in 1945 and to associate professor in 1962.

A graduate of Wagner College, he received his master of science degree at Penn State. He is the author of articles in professional journals and is a member of the American Chemical Society, Pennsylvania Association of College Chemistry Teachers and the Erie Engineering Societies Council.

At Behrend, he served as chairman of the Faculty Committee and the Ad Hoc Committee on Constitution and Bylaws. He was a member of the Tenure and Safety committees in 1979-80 and, during that period, served as coordinator of the Division of Natural Sciences and Engineering.

Robert F. Marboe, assistant director, associate professor of engineering research, and head of the Engineering Services Department at the Applied Research Laboratory, retired July 1 after 36 years of service.

A graduate of the University of Minnesota with a bachelor's degree in chemical engineering, he served as an officer aboard a U.S. Navy Destroyer Escort and as a lubrication engineer for Standard Oil Company. At ARL, he has served on the Executive Committee and as administrator for Engineering Services and Facilities.

Mr. Marboe is past chairman of the Central Pennsylvania Section of the American Society of Mechanical Engineers and a member of the American Defense Preparedness Association Board of Directors, Cumberland Chapter. He retired as a captain in the Naval Reserve Nov. 29, 1976, after 35 years of service, and has been an Elder in the Presbyterian Church, State College. He is active in the Boy Scouts of America and in United Way campaigns.

Edward J.J. Tracey, Jr., assistant professor of engineering research at the Applied Research Laboratory, has retired after 34 years of service.

Mr. Tracey received a bachelor of science degree in chemical engineering from the University of Notre Dame. Prior to joining the ARL staff in 1948, he worked for General Chemical Company, DuPont, and Aircraft-Marine Products, Inc.

A chemist at ARL, he served as assistant safety officer and chemical waste disposal representative and provided full-time chemical and metallurgical support for all ARL projects.

Mr. Tracey is active in the American Chemical Society, American Society of Metals, Pennsylvania Society of Professional Engineers, National Society of Professional Engineers, and the Acoustical Society of America (chapter associate).

Richard F. Trufant, engineering aide at the Applied Research Laboratory, retired June 30 after 37 years of service.

Born in Nashua, New Hampshire, he attended Wentworth Institute in Boston, Mass., and worked as a machinist at Harvard University during World War II.

He was one of a small group of scientists and engineers who transferred from the Harvard Underwater Sound Laboratory when arrangements were made to establish the Ordnance Research Laboratory (now the Applied Research Laboratory) at Penn State.

Retirement for Suzanne Stultz means not only a change of lifestyle, but a change of scenery as well. Although she'll be relocating to San Diego, California, she hopes to find some of the university atmosphere that she enjoyed at Penn State in her new West Coast location.

"I decided that wherever I went I always wanted to be around a university," she says. "I liked the University atmosphere—the lectures, sports, theatre—so much that I wouldn't want to live where there wasn't one in the area."

The move to San Diego also will enable her to pursue many of her favorite pastimes. "All the things I like are out there," Mrs. Stultz notes. "They have a pretty good opera company, nice theatre, the zoo, sports and terrific weather!"

She began her 20 years of service in 1962 as secretary to Dean Brickwedde in the then College of Chemistry and Physics. With the following year came not only a name change to the College of Science, but also a change of supervisor for Mrs. Stultz, with Dr. Clarence J. Noll as the new dean. Dr. Thomas Wartik was named dean in 1971 and Mrs. Stultz assumed her most recent position as administrative aide to Dean Wartik in 1978.

"I really liked doing Dean Wartik's correspondence and aspects of the job that used secretarial skills like transcribing executive committee minutes," she says. "I also enjoyed my contact with the students in the work study program and on the student council. They're bright, energetic kids to work with."

After receiving his Penn State degree, it didn't take long for Robert W. Knouse to decide where he wanted to work. One month after graduation he began employment at the University where he spent the ensuing 34 years. He retired June 30 as senior electrical engineer in Physical Plant.

Mr. Knouse received his B.S. in electrical engineering in January, 1948. Joining the staff of the University in February of that same year as a utility engineer, he was responsible for designing lighting layouts, electrical projects, making estimates and ordering materials. In 1959 he advanced to electrical engineer and in the early 1970s assumed his most recent position.

During his tenure as senior electrical engineer, Mr. Knouse reviewed electrical plans and specifications for new buildings on campus dealing with outside professionals. He also was a member of the Illuminating Engineering Society and Eta Kappa Nu, honorary electrical engineering fraternity.

"You could say everything positive about Bob. There was no negative side to him at all," notes Dr. Carl Johnson, manager, Facility Planning and Design. "He had the University totally at interest with all the things he did through the years to make it good. He was very Penn State oriented."

Mr. Knouse and his wife, Betty, reside in State College. They have one son, George, and three daughters, Carol, Rita and Alice.

Madeline Boyland, assistant professor of speech communication at Fayette, from Sept. 1, 1967, to July 1.

Dr. Dorman G. Freark, associate professor of industrial engineering, from Sept. 1, 1967, to July 24.

Obituaries

Samuel C. Smith, supervisor of planning and scheduling in Physical Plant, died July 31 at the age of 45. He joined the University staff Dec. 12, 1955.

Jane P. Dolsen, research assistant in Earth and Mineral Sciences since Oct. 1, 1966, died July 31. She was 55.

Herman J. Colyer, machinist in Earth and Mineral Sciences from Sept. 16, 1945, until his retirement July 1, 1960, died July 23. He was 83.

Carpooler

Sherry Van Gorder wants to share the driving from the Lock Haven-Hill Hall area to the University. She works from 8 a.m. to 5 p.m. at Fenske Lab and can be reached at either 865-2574 or 726-4130 (after 6 p.m.).

News in Brief

Trustee committee seeks more names

Dr. Richard E. Grubb, senior vice president for administration and executive secretary of the Trustee Presidential Selection Committee, has issued the following statement regarding the presidential search:

"From the original list of candidates for the Presidency of Penn State submitted to the Trustee Presidential Selection Committee by the Presidential Search and Screen Committee, a number of individuals are no longer viable candidates for various reasons. The Trustee Presidential Selection Committee has, therefore, requested six to eight additional names to supplement the names currently remaining and under serious consideration from the original list.

"This action does not imply that the individuals from the original list are not highly qualified and that the final selection will not be an individual on this list. The selection of a President of a university of the stature of The Pennsylvania State University is the most critical and important responsibility of a board. The Trustee Presidential Selection Committee requested additional names only to further assist in fulfilling the Board's responsibility to appoint the most highly qualified individual as President of Penn State."

Faculty may submit research proposals

Faculty with research interests in the life and health-related sciences are invited to submit proposals to the Biomedical Research Support Grant program (BRSG) through research deans or Intercollegiate Research Program directors.

The twelve-month awards will range from \$5,000 to \$15,000 for individual investigators, and up to \$30,000 for more than one investigator on a project. Preference will be given to projects not normally or easily funded by NIH such as pilot projects, unforeseen requirements, and new investigators. Research proposed must be related to problems of human health.

Following a preliminary screening by the colleges or IRP directors, awards will be recommended by a university faculty peer committee. Final awards will be announced by Dr. Richard G. Cunningham, vice president for research and graduate studies.

Faculty desiring further information should call their ACOR deans or IRP directors. The proposal deadline for submission to 207 Old Main is Sept. 30. Awards will be announced by Oct. 29.

Parking changes slated for New Student Day

A number of parking and traffic changes will be instituted at the University Park Campus on New Student Day, Monday, Aug. 30, in view of an expected influx of a significant number of vehicles to the campus.

- Garner Street-Shortledge will be one-way north from Beaver Avenue to Pollock Road.
 - Pollock Road between Shortledge and Bigler will be one-way eastbound.
 - Milfin Road between McKean and Pollock will be one-way northbound.
 - Curtin Road between Allen and Recreation Bldg. will be one-way eastbound.
 - Burrows Road between Pollock and Curtin will be one-way northbound.
- University faculty and staff are urged to seek alternate means of transportation. Police Services suggests walking, car pools or public transportation.

Parking changes are as follows:

- Faculty and staff members assigned to parking areas Blue G and Blue F are asked to park in areas Orange F and Blue D.

- Those assigned to parking area Orange B are asked to park in area Orange L.

- Those assigned to parking areas Green D and Green G are asked to park in area Blue A.

- Those assigned to parking areas Green E, Green C, Red E and Red F are asked to park in areas Red A or Red C.

All parking regulations will be put back into effect on Tuesday, Aug. 31.

New options open for making gifts

New options are available to provide gifts for improvements in programs and facilities throughout the University. Utilizing the new payroll deduction plan, each member of the University family may request that his/her contribution be used for up to three specific purposes.

You may request that your contribution support scholarships, the libraries, athletic facilities, research or any college or campus. You do not have to work at a specific location or for a specific program to direct your funds to that service. For example, anyone can designate a gift to the College of Medicine at Hershey, or to the hospital. You do not have to be on staff or have used the facility.

Payroll deduction forms featuring these options have been sent to all employees. They should be returned as soon as possible to the Office of Gifts and Endowments, 23 Willard Bldg., Phone 865-6588. Confidentiality concerning the amount of your support is assured.

According to James Winck, assistant director for annual giving, special programs, the number of employees participating in the program is more important to its success than what they contribute. Participation during the last three years shows an average annual increase of 46 per cent. Everyone is urged to make a special effort and be "Penn State Proud!"

Forestry groups plan anniversary observance

The Pennsylvania State University - Mont Alto Forestry Alumni Association will celebrate the 75th anniversary of forestry education at Penn State Aug. 18-20 at the University Park Campus.

The Department of Forestry was established in 1907. Later, it was expanded to the School of Forest Resources, with undergraduate and graduate majors in forest science, forest products and wildlife management. To date, more than 3,300 graduates have been trained in those fields.

Part of the anniversary celebration will be in conjunction with the summer meeting of the Allegheny Section of the Society of American Foresters.

Calendar

(Continued from page 1)
of the regular ten-week summer term, the 1983 Summer Term will be reduced to eight weeks.

The new dates for Summer Term, 1983, are:

Arrival Day	Sunday	June 12
Orientation		
and Advising	Monday	June 13
Registration	Tuesday	June 14
Classes Begin	Wednesday	June 15
Independence Day Holiday		
No Classes	Monday	July 4
Classes end		
9:55 p.m.	Wednesday	August 10
Final Exams	Thursday-Saturday	August 11-13
Commencement	Saturday	August 20
Graduate students may schedule 8 credits; undergraduate students may schedule from 9 to 11 credits.		

Business Administration makes college administrative changes

Several administrative changes have been announced in the College of Business Administration.

Dr. Eugene J. Kelley, dean of the College of Business Administration, began an administrative leave of absence July 1 that will last until the end of 1982. Dean Kelley will be serving as president of the American Marketing Association (AMA), conducting research in the management of business schools, and preparing articles and papers for various marketing publications. Dean Kelley assumed the AMA presidency July 1.

Dr. Robert D. Pashek is serving as acting dean of the College in Dean Kelley's absence. Dr. Pashek is associate dean of the College and acting director of the Pennsylvania Transportation Institute on campus. He is also professor of business administration.

Earlier this spring, Dr. Kenneth R. Graham was named assistant dean for Continuing Education. Dr. Graham, director of Executive Programs and assistant professor of business administration, had been acting assistant dean since last year.

In other changes, Dr. John J. Coyle has been named assistant dean for Undergraduate Programs. Dr. Coyle, who is professor of business administration, had been faculty director of Undergraduate Programs.

His new position reflects additional responsibilities for the undergraduate student area that had been administered by William S. Decker, who was the college's assistant dean for students until his retirement at the end of 1981.

Dr. Coyle's duties will be to provide academic leadership to maintain the

capacity of the undergraduate programs to serve changing social and managerial needs. It will involve close cooperation with faculty, staff members and students to ensure that the College's undergraduate program goals are achieved.

Dr. Coyle served as acting head and then head of the Department of Business Logistics from 1971 until July 1 of this year when he resigned to assume his new duties. He is faculty director of the College's Young Executives Program and serves as the University's faculty representative to the National Collegiate Athletic Association.

Dr. John C. Spychalski, professor of business administration, has been appointed acting head of the Department of Business Logistics for the 1982-83 academic year.

Dr. Michael P. Hostenen assumed the duties of assistant dean and faculty director of Graduate Programs on July 1. Dr. Hostenen, professor of management, has been serving as faculty director of the Master of Business Administration Program and as acting director of the College's doctoral and master of science programs.

He will assume overall administrative responsibilities for the College's graduate programs and provide a "central point" for the College in its relationships with the Graduate School, other colleges in the University and external constituencies.

Dr. Hostenen served for eight years as head of the Department of Management Science and Organizational Behavior. He serves as a faculty leader in many of the College's Executive Programs.

Ginsberg

(Continued from page 1)
per hour, deliberately blocking traffic. Each time he defied the demonstrators by driving around them on the brim of the road in his small car, beeping his horn as he went.

And once it took him three days to make the four-hour trip from State College to the campus because of a blizzard so severe that a state of emergency had been declared. While other motorists deserted their vehicles along the road, or waited out the storm in motels, Dr. Ginsberg, always anxious to get on with his work, drove through, stopping at motels only to spend the night.

In his travels he has also endured 110 degree heat in Death Valley, the country's lowest point; driven on Pike's Peak, Mt. Washington, and Mt. Whitney, three of the country's highest peaks; and made a 20,000-mile cross-country trip without a hitch - until the gas pedal gave out, one mile from home.

Dr. Ginsberg has been a Volkswagen driver since 1965 when he made a special trip to Frankfurt, West Germany, to purchase his first "beetle" (where they were cheaper) in spite of the fact that he didn't know how to drive at the time.

"I had been putting off learning to drive for years and had gotten to the point where I really needed a car," he explained. "I thought that buying one would motivate me to learn how to drive in a hurry."

He hired someone to drive the car to a port where it could be shipped to the United States and while it was making the ocean crossing he was back home taking driving lessons. When the boat arrived several months later, he met it at the dock and drove the car home.

After all these years as a "beetle" lover he worries about what he will do when his cars wear out because the Volkswagen company has replaced the "beetle" with the newer "rabbit."

"How can you change from a beetle to a rabbit?" he wonders. — by Carl Vairo

Branch bank will open in Bookstore Building

A full service office of Mid-State Bank will open Monday in the Penn State Bookstore Building on the University Park Campus.

JoAnn R. Lew, manager of the new University Park Office of the bank, said the on-campus facility will provide complete banking service to students, faculty and staff.

She said that, in addition to the full range of checking, savings, and loan services, the branch bank will offer PHEAA tuition loans as well as special consideration for student check cashing and other related financial activities.

The Department of Systems and Procedures reported that provisions have been made to provide depository facilities and services for University offices at the branch bank.

Offices wishing to use the branch should obtain deposit slips from college or administrative area financial officers. Endorsement instructions on depositing checks found in University Policy CS-1 should be followed.

A procedure covering deposits of cash or checks directly to the branch bank is available from Systems and Procedures, 308 Shields, phone 865-9568.

Fall calendar deadline

The deadline for submission of information for the Fall Term Calendar is Friday, Aug. 27. Please send material to Calendar Editor, Room 301 Old Main, 865-2501. The Calendar will appear in the Sept. 9 issue of INTERCOM.

INTERCOM is an internal communications medium published for the faculty and staff of The Pennsylvania State University.

William E. Campbell, Jr., Editor
Calendar Editor — 865-2501

University Park Calendar

August 12 — 28 Special Events

Friday, August 13

Keynote State Games. Also August 14, 15, 16.

"Spend A Summer Day" Program.
Deadline to submit petitions to Records Office to graduate in absentia in August.

Commonplace Theatre, *Private Benjamin*, 7 p.m.; *The Last Waltz*, 9 p.m., Room 112 Kern. Also August 15.

Saturday, August 14

France-Cinema, Truffaut, *The Man Who Loved Women*, 7 and 9 p.m., Room 112 Kern. Also August 16.

Sunday, August 15

Shaver's Creek Environmental Center, Wild Flower Walk, 2 p.m.

Monday, August 16

Early registration for Fall Term 1982, through August 20.

Ceramic Science and Engineering seminar, 11 a.m., 301 Steidle. Yuko Suyama, Kyushu Univ., Japan, on "Vapor Phase Reactions to Form Fine Powders."

Wednesday, August 18

Ten week and eight week Summer Term classes end. 9:55 p.m.

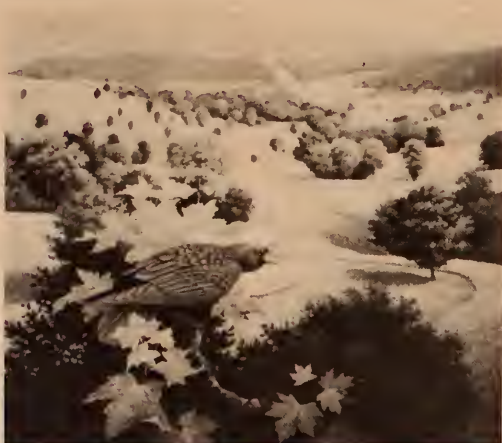
Last day to sign Summer Term Emergency Loans, Room 108 Shields.

Thursday, August 19

Final examinations, through Saturday, August 21.

Friday, August 20

"Spend A Summer Day" Program.



James Salem's "Crow Fields," an acrylic painting, is part of the "Painters of Central Pennsylvania" invitational exhibition on display at the Museum of Art through Aug. 29.

Sunday, August 22

Residence Halls close for Summer Term, 3 p.m.

Tuesday, August 24

Ag. Progress Days, 9 a.m.-5 p.m., Rock Springs.

Wednesday, August 25

Ag. Progress Days, 9 a.m.-7 p.m., Rock Springs.

Thursday, August 26

Ag. Progress Days, 9 a.m.-5 p.m., Rock Springs.

Saturday, August 28

Continuing Education English and Mathematics Placement Examinations, 9 a.m., Keller Conference Center. Also Sept. 1, 8:30 p.m., Summer Term Commencement, 10:30 a.m., Recreation Building.

Exhibits

Chambers Gallery

Gallery hours: 9 a.m. to 5 p.m.-weekdays. Philip Sauerliender, printmaker.

Kern Gallery

Gallery Hours: Monday through Saturday, 9 a.m.-11 p.m.; Sunday, noon-11 p.m. Cheryl King, paintings and drawings. Joel Weiss, photography, through August 20.

Museum of Art

Museum hours: 11 a.m.-4:30 p.m. Closed Mondays. Tours, Sundays, 1:30 p.m. Selections from the Museum's collection, through August 22. CPFA juried crafts. CPFA Paintings of Central Pennsylvania Invitational.

Pattee Library

East Corridor Lobby: Literary Expressionism and German Political and Commercial Posters, through August 12.

Tom Hubben and Barbara DeWilde, paintings. Lending Services Lobby:

Susan Stewart, watercolors.

2nd Floor, East Pattee:

Betty Ayers, prints.

Rare Books Room:

Mushrooms in Art and History.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., August 19, 1982. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-I) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

ASSISTANT TO THE DIRECTOR FOR COMMUNITY DEVELOPMENT, OFFICE OF GIFTS AND ENDOWMENTS, COLLEGE OF MEDICINE, HERSHEY — Responsible to the director, Office of Gifts and Endowments at the Milton S. HERSHEY Medical Center. Position involves assisting in all phases of the fund raising program at the Medical Center. More specifically, the position involves the development of additional private support through special events and increased community interest in supporting the Medical Center programs by providing counsel and assistance to sponsoring community groups and organizations, recruiting and training volunteers for special event projects; serving as liaison to outside organizations; attending, speaking, and delivering programs at meetings of church, civic and school clubs and organizations; and performing other development duties as assigned by director. Bachelor's degree or equivalent in business administration, liberal arts or related field and from one to two years of effective experience, internship or volunteer or part-time experience is required. Skills in communication and public speaking are essential.

DEVELOPMENT WRITER, PUBLIC INFORMATION AND RELATIONS, UNIVERSITY PARK — Responsible to the director, Public Information and Relations for the effective preparation and development of major gift proposals, and various writing assignments related to development activities of the University. Bachelor's degree in journalism, communications or related field plus three to four years of effective experience. Experience in development, public relations, or proposal preparation preferred.

ASSISTANT TO THE DIRECTOR, VICE PRESIDENT FOR UNDERGRADUATE STUDY, UNIVERSITY PARK — Responsible to the director of the University Scholars Program for administrative support in the various phases of the University Scholars Program including student records, admission and screening, orientation, supervision of assigned employees, advising, and liaison activities as assigned. This is a Fixed-Term, but position is expected to be continued past the initial funding period. Bachelor's degree with at least one year up to and including two years effective experience is required. Previous administrative, teaching, or advising experience is desirable.

COLLEGE HEALTH NURSE-INPATIENT & EMERGENCY ROOM, UNIVERSITY HEALTH SERVICES, UNIVERSITY PARK — Responsible to head, College Health Nurse-Inpatient and Emergency Room, for providing nursing service in the Inpatient Service Area and for the Emergency Room, and assisting licensed physicians and dentists in patient care. Provide general nursing care, record and chart condition and progress of patients, determine priority of treatment, efficient in I.V. administering, etc. Graduate of an accredited nursing program, a current registered nurse licensure in Pennsylvania, and six to nine months effective experience required.

SYSTEMS AND APPLICATIONS PROGRAMMER, COLLEGE OF MEDICINE, HERSHEY — Responsible to the manager of Programming and Systems for translating systems analysts' designs and instructions into computer programs which control the processing of data within the computers. Bachelor's degree and two to four years of effective programming experience or associate degree plus four to six years programming experienced is required.

Penn State Bookstore wants part-time help

Part-time employment at the Penn State Bookstore on campus is available for approximately the first two weeks of Fall Term, starting August 30, for cashiers/baggers. Interested spouses of faculty and staff members or other interested persons should contact William A. McVicker at 863-3250.

Conference to study mystery man

One of the mystery men of 20th century literature will attract scholars and fans of his works to the University this fall — even though he's been dead for more than a decade.

B. Traven, who wrote "The Treasure of the Sierra Madre" and many other books and short stories, will be the subject of an international conference Oct. 20-23.

"Traven is studied not only for his works but for the mysteries that surrounded his life," says Dr. Ernst Schurr, professor and head of the Department of German. "This international and interdisciplinary conference marks the 100th anniversary of his birth."

Traven was a recluse who lived under a variety of aliases. It has even been claimed that he was actually Jack London, or else an illegitimate son of Kaiser Wilhelm. There's evidence that he turned up on the movie set of "The Treasure of the Sierra Madre" in 1947, claiming to be Hal Croves, Traven's agent.

Traven died in Mexico in 1969, leaving as his legacy many tales of adventure and social turmoil, such as "The Death Ship: The Story of an American Sailor," "The Rebellion of the Hanged," "The Man Nobody Knows," and "White Rose."

The Penn State conference will include the most notable of the world's Traven scholars, according to Dr. Schurr. They will examine Traven's works, his life and his impact on literature.

Presentations are scheduled by researchers from England, East Germany, Israel, Sweden, Switzerland, West Germany and the United States. In addition, Traven's widow, Senora Rosa Elena Lujan de Traven, is scheduled to attend and speak on "Anecdotes about B. Traven."

In addition to the presentation of papers, the conference will include the showing of a British Broadcasting Corporation documentary entitled "B. Traven: A Mystery Solved." Produced by Will Wyatt, who will himself be one of the conference members, the documentary is considered one of the strongest efforts to document the murky facts of Traven's life.

Sixteen Traven scholars are serving on the conference advisory committee. The event's sponsors include the Institute for the Arts and Humanistic Studies, the Comparative Literature Program, the Department of English, the Department of German, the Department of Spanish, Italian and Portuguese and the Department of Theatre and Film.

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Goddard Chair in forestry established

The Maurice K. Goddard Chair in Forestry and Environmental Resource Conservation has been established at the University.

Announcement of the Goddard Chair was made by President Oswald at an Aug. 18 banquet held in conjunction with the 75th anniversary of forestry education at Penn State. Dr. Goddard was the featured speaker.

The Goddard Chair will be administratively based in the College of Agriculture and housed in the School of Forest Resources.

"The impact of the chair, however, will extend to the entire University and to industrial and community groups and academic institutions throughout Pennsylvania," Dr. Oswald said.

"Establishment of the chair attests to Penn State's commitment and dedication to effective resource conservation and utilizations."

"A chair named for an individual is a prestigious academic honor and to occupy a named chair is one of the highest distinctions that can be bestowed on a member of the Penn State faculty," Dr. Oswald added.

"This chair recognizes Dr. Goddard's contributions while on the Penn State faculty from 1935 to 1955 and his dedicated service to the people of Pennsylvania as Secretary of Forests and Waters and then as Secretary of the Department of Environmental Resources from 1955 to 1979."

A total of \$750,000 was raised in order to endow fully the chair in accordance with the guidelines established by the Board of Trustees. The funds to endow the Goddard Chair came from foundations, corporations, other organizations and from many individual contributions.

"The chair's occupant will be an

individual who has the qualities essential to help policy-makers arrive at balanced decisions for natural resource management," Dr. Oswald noted. "This is in keeping with the philosophy and actions of Dr. Goddard throughout his academic and public service careers."

"Approximately one-half of the time and effort of the person holding the Goddard Chair will be allocated to public service. The chair will be a major contribution to the state's citizens — exemplary of Dr. Goddard's own public service."

The occupant of the chair will be expected to have a strong background in one or more of the natural sciences such as agriculture, biology, forestry, geology, and limnology. In addition, he or she should have advanced degrees and/or experience in economics, public administration or resource allocation.

The president of the University will appoint the chair holder after receiving recommendations from a University committee chaired by the dean of the College of Agriculture.

Another committee, composed of national and state leaders, will serve as an advisory group to the chair holder and will assist by recommending candidates to the University committee. The members of both committees will be appointed by the University president. The director of Penn State's School of Forest Resources will serve on each committee.

Dr. Goddard's 24 years of service in state government, under five governors, has earned him the title of Pennsylvania's leading conservationist.

A forester by profession, he was graduated with a bachelor of science degree from the University of Maine and a

(Continued on page 3)



Prior to the banquet announcing the establishment of the Maurice K. Goddard Chair in Forestry and Environmental Resource Conservation, Dr. Goddard, right, talks with, from left, Dr. Robert S. Bond, director of the School of Forest Resources; President Oswald, and Dr. Samuel H. Smith, dean of the College of Agriculture.

Dr. Clark Kerr will speak at annual Encampment program

Dr. Clark Kerr, president emeritus of the University of California, will be the featured speaker at the 1982 Encampment Sept. 2 and 3 at Stone Valley Recreation Area. Dr. Kerr will speak at 7:30 p.m. Thursday, Sept. 2.

Encampment is an annual retreat for Penn State students, faculty members and administrators. Participants listen to speakers and take part in group discussions on topics related to the University. This year's theme is "Penn State: Challenges of Transition."

The 1982 Encampment is being dedicated to President Oswald, who retires next summer. Dr. Oswald revived the Encampment concept — similar programs had been held at Penn State in the 1950s — soon after he came to the University in 1970. He has been a strong

supporter of the program since that time.

"Dr. Oswald has attended every Encampment since becoming president, and his participation represents the importance he attaches to this annual assembly of students, faculty and staff," the dedication statement notes.

Dr. Kerr has served on advisory committees to three U.S. presidents. He has chaired several national groups, including the Carnegie Commission on Higher Education and the National Committee for Political Settlement in Vietnam.

Among the topics to be discussed at this year's Encampment are "Academic Honesty: An Attainable Goal?," "Student Role in University Decision-Making" and "Functioning Under the New Academic Calendar."

CES merger is working extremely well

Editor's note: The following article is a condensed version of an address presented to the Southeastern Regional Meeting of assistant and area directors for Continuing Education.

By Edward M. Elias
Director, York Campus

The University's Commonwealth Educational System (CES) will celebrate its twentieth anniversary this December.

Despite initial reservations from some quarters about the success of combining the Continuing Education and Commonwealth Campus operations into one administrative unit, the CES merger has worked extremely well over the last 20 months. Aside from superb leadership from CES Dean Robert Scannell, its success stems as well, I believe, from historical inevitability. Such a merger had to occur in order for the Commonwealth Campuses to serve their diverse constituencies into the '80s and '90s with efficiency and effectiveness.

To understand the logic of, and need for, such a merger, some historical perspective is necessary. Although the

'The 1980 reorganization is quelling the myth that a unified campus approach for serving the University's diverse constituencies will not work. It will work.'

College of Agriculture had been offering correspondence courses since 1892, the impetus for wider "extension" or continuing education activity at Penn State came in 1910. In that year, President Sparks asked the Trustees to authorize new programs in engineering and mining extension in response to a committee report which noted that "extension was an obligation resting on Penn State . . ."

The next 25 years found the various academic colleges taking their programs to the people of the state.

By the mid-'30s, Extension activities had proliferated, and coordination was essential. In 1934, J.O. Keller was named assistant to the president in charge of Extension. In 1935 the Trustees established Central Extension, and the

Central Extension Field Staffs were also set up. From 1935-50 the Depression and World War II intervened, and Extension activities blossomed at its several

"Extensions Centers" — the forerunners of today's Commonwealth Campuses. Penn State was designated by the federal government to help train the personnel needed to run the war material factories.

After the War, the influx of ex-GIs stressed Penn State, which responded by establishing several new undergraduate centers, including one at York. By mid-century, Penn State had built a diverse statewide Extension service; several undergraduate centers were operated as extension centers — with both full-time and part-time day and evening classes.

Several Extension centers operated evening classes only.

But something unusual had taken place in the normal evolution of extension activity, which was now operating under the new name of "General Extension."

Because of demand for higher education in the late '40s and '50s, General Extension centers were spawning full-time programs in addition to the traditional part-time evening offerings. This created a rift between University Park resident full-time programs and off-campus Continuing Education full-time programs. First, CE programs were considered less demanding, and the faculty at the Extension Centers were perceived as less qualified than their University Park counterparts.

By the mid-fifties, it was obvious to President Eric A. Walker that, because of the baby boom, Penn State had to prepare for an unprecedented demand for higher education. What was needed, first and foremost, was a physical expansion of the centers in addition to a general upgrading

(Continued on page 3)

Penn Staters

Drs. John L. Duda and James S. Vrentas, professors of chemical engineering, presented an invited paper on "Free-Volume Correlation of Solvent Diffusion in Molten Polymers" at the International Union of Pure and Applied Chemists' 28th Macromolecular Symposium.

Dr. Sheldon R. Gelman, professor of social welfare, has been appointed to the Health/Mental Health Provisional Council Steering Committee of the National Association of Social Workers. The five-member committee has responsibility for developing national policy and programs in the areas of health, mental health, and developmental disabilities for the 85,000-member association.

Dr. E. Earl Graham, associate professor of chemical engineering, presented an invited paper at the NATO Advanced Study Institute on Mass Transfer and Kinetics of Ion Exchange in Maratea, Italy. His paper was on "Application of the Stefan-Maxwell Relations to Multicomponent Ion Exchange." **Dr. Friedrich G. Helfferich**, professor of chemical engineering, presented an invited lecture at the Institute.

Dr. Robert E. Harkavy, associate professor of political science, visited Brazil and Mexico on a lecture tour for the International Communication Agency. Dr. Harkavy lectured on various aspects of arms control and national security policy

at universities in Rio de Janeiro, Sao Paulo, Brasilia, Recife, and Mexico City.

Howard F. Kingsbury, associate professor of architectural engineering, has received an Award of Merit from the American Society for Testing and Materials. The award is in recognition of his "numerous contributions to the development of voluntary consensus standards."

Dr. David A. Long, associate professor of civil engineering, has been elected president of the Pennsylvania Water Works Operators' Association. The 1,400-member Association, founded in 1927, is engaged in water supply activities throughout the state.

Dr. Ramanathan Nagarajan, assistant professor of chemical engineering, presented an invited paper at the International Symposium on Solution Behavior of Surfactants in Lund, Sweden. His topic was "Selective Solubilization in Aqueous Surfactant Solutions."

Dr. David L. Pearson, associate professor of biology, presented a series of invited lectures on the structure of ecological communities at Zoologisches Institut, Universität Würzburg, West Germany. Dr. Pearson presented invited seminars on insect community structure studies at the Indian Agricultural Research Institute and J. Nehru University, both in New

Delhi, India, and at Sanatan Dharm College, Muzaffarnagar, India. He also presented a series of invited lectures on evolutionary aspects of ecology at Panjab University, Chandigarh, India.

Dr. R.V. Raman, professor of mining engineering, has been elected chairman of the International Council for the Application of Computers in the Mineral Industry (APCOM). The APCOM council, which Dr. Raman will head for the next six years, plans biennial international symposia that are held alternately in the U.S. and other countries.

Dr. Guy E. Rindone, professor emeritus of ceramic science and engineering, is the co-inventor of the glass used in two of the four lenses in the new Kodak Disc camera recently placed on the market. Co-inventor with him of the special glass was Gerald Blair, a Kodak engineer who received his M.S. in ceramic science and engineering at Penn State in 1961.

Dr. James Ross Sweeney, associate professor of history, has returned from a research trip to Germany, Austria, and Hungary. While in Hungary, Dr. Sweeney was invited to deliver a paper to the Hungarian Academy of Sciences in Budapest. His paper was entitled "Hungary and the Crusade Movement in the Twelfth and Thirteenth Centuries."

Dr. John M. Tarbell, assistant professor of chemical engineering, presented invited papers at the Third International Conference on Mechanics in Medicine and Biology in Compiegne, France. He spoke on "Recent Progress on the Artificial Heart" and "Wall Shear Stress in the Aortic Arch."

Dr. Tarbell also conducted an invited seminar on "Wall Stress in the Aorta" at the Physiological Flow Studies Unit at the Imperial College of Science and Technology in London, England.

Dr. Kathryn Towns, associate dean for research, graduate studies and continuing education at Capitol Campus, participated in the first International Conference on Research and Teaching Related to Women at the Simone de Beauvoir Institute at Concordia University in Montreal.

Dr. Towns, one of 40 educators selected from 250 applicants by the National Women's Studies Association, presented a paper entitled, "Design Problems in Action-oriented Programs: Caution Is Not the Same As No Go."

Dr. Susan F. Weis, associate professor of home economics education, has been reappointed by Governor Dick Thornburgh to the Pennsylvania Advisory Council on Vocational Education for the 1983 fiscal year.

The Council evaluates and monitors vocational education programs and services. Dr. Weis was selected chairman of the Council during 1982-83.

25-Year Chair



Patty Wagner, Data Preparations Operator A in Management Services, has observed her 25th anniversary at the University.

Dr. Oscar C. Barkman, executive secretary of the University Faculty Senate, died Aug. 13. He was 52.

Dr. Barkman joined the Penn State staff in 1970 as an administrative assistant in the office of the Dean of the Graduate School and held the Faculty Senate post since 1972. He also served as affiliate assistant professor of education in the College of Education.

Last April, he received the McKay Donkin Award, presented annually to a faculty or staff member who has made a special contribution to the University faculty.

Before joining the University staff, Dr. Barkman was supervising principal of the Juniata Valley School District in Alexandria. A member of the faculty or administrative staff at Juniata Valley from 1956 until 1970, he also served as high school principal, social studies chairman and teacher.

Obituaries

Dr. Barkman received his doctorate and master's degree at Penn State in educational administration and secondary education, respectively. His bachelor's degree, in social studies, was awarded by Indiana University of Pennsylvania.

A life member of the National Education Association, the Pennsylvania State Education Association and Phi Delta Kappa, Dr. Barkman also was a member of many other professional organizations. He was active in community and civic affairs and was a member of the District Boy Scout Committee, Lion's International and the Masonic Lodge.

Miriam H. Glenn, editorial assistant at the Applied Research Lab from June 10, 1951, until her retirement Feb. 1, 1966, died Aug. 5. She was 81.

(Continued on page 3)

Partings

Robert R. Asch, administrative aide in Human Development, from Feb. 14, 1972, to Aug. 23.

Marian J. Becker, emergency care attendant at Hershey, from Oct. 5, 1970, to Aug. 10.

Dominick DeDay, maintenance worker at Hershey, from Aug. 24, 1970, to Aug. 21.

George F. Gatto, maintenance worker at Worthington Scranton, from Aug. 24, 1970, to Aug. 21.

Dr. William F. Lewis, associate professor of social science and political science at Capitol, from Sept. 1, 1968, to June 30.

David L. Livingstone, instructor in English at McKeesport, from Sept. 1, 1970, to July 1.

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Promotions

Faculty

Mary Ann Filler to senior assistant librarian at Capitol.
Sally Ann Seeser to senior assistant librarian at Capitol.
David G. Watkin to assistant professor of management at Capitol.

Staff Exempt

Charles Alesky to supervisor of Safety and Police Services at Capitol.
Evelyn H. Buckalew to publications production coordinator in Agriculture.
Nelson Catherman to foreman, Locks, Hardware, and Maintenance in Physical Plant.
Laurence Druckenbrod to assistant director in Student Affairs.
John E. Grant to coordinator of Development Activities in Continuing Education.
Robert Harris to supervisor, Trades in Physical Plant.
Michael C. Masluk to assistant Extension agent in College of Agriculture.

Kathleen D. Matson to administrative aide in Earth and Mineral Sciences.
Kenneth I. Roney to assistant Extension agent in Agriculture.

Richard A. Riddle to administrative assistant in Education.
William S. Rose to supervisor, Service Desk in Physical Plant.

Carol M. Vonada to administrative aide in Earth and Mineral Sciences.

Emma B. Westfall to administrative aide in Earth and Mineral Sciences.

Donald F. Wilkinson to foreman, Airport Operations and Aircraft Maintenance in Business Services.

Charlotte J. Willusz to assistant supervisor, Computer and Disbursement in Management Services.

Harry M. Zimmler to broadcast programming specialist in Continuing Education.

Lisa A. Zubey to section supervisor, Clinical Labs at Hershey.

Staff Non-Exempt

Robin A. Smith to research technician in Intercollege Research Programs.
Elizabeth I. Trimble to administrative aide in Science.

Clerical

Jacqueline Allabaugh to clerk A at Wilkes-Barre.
Kay J. Cassel to secretary B at Hershey.
Jacqueline L. Englebach to secretary A at Hershey.
Barbara Linger to secretary B in Science.
Cynthia B. Kress to research data processor A in Engineering.
Cathy E. Lutz to secretary C in Engineering.
Cindy Mushrush to secretary B in Health, Physical Education and Recreation.
Bettina F. Oellig to secretary C at Hershey.
Carla J. Ortenzio to senior manuscript typist at Hershey.
Linda Pardon to clerk, typist A in Physical Plant.
S. Lorraine Rogers to secretary A in Planning and Budget.
Ann Rowe to secretary C, Commonwealth Educational System at Berks.
Beatrice V. Simco to correspondence secretary B in Student Affairs.
Sally J. Simmons to clerk, typist A at Delaware County.

Randy L. Spear to senior outpatient billing clerk at Hershey.

Dorothy C. Thompson to secretary B at Delaware County.

Doris L. Wesley to secretary C at Delaware County.

Glenna Younginger to secretary B in Provost's Office.

Kathleen Zimmerman to senior clerk in Science.

Lynnea Zimmerman to clerk billing A in Physical Plant.

Technical Service

Russel S. Conrad to refrigeration technician at Capitol.
Lori A. Frank to escort service aide at Hershey.
Joanne J. Martin to senior mill testing machine operator in Agriculture.
Curtis Randall to mechanic, Experimental and Maintenance in Science.
Rollin Rissinger to maintenance worker, Metal, Locks and Body Repair at Capitol.
Joseph Lee Veeney to group leader, Maintenance Worker Utility at Ogontz.

Goddard Chair

master of science degree from the University of California.

He has been awarded honorary doctor of science degrees from the University of Maine, Drexel University and Waynesburg College, as well as an honorary doctor of law degree from Gettysburg College.

At Penn State, Dr. Goddard served as a member of the Board of Trustees from 1971 until he left state government in 1979. Previously, as a faculty member, he was director of the Mont Alto Campus for six years following World War II.

Moving to University Park, he was named head of the Department of Forestry and then director of the School of Forest Resources prior to his appointment as secretary of the Pennsylvania Department of Forests and Waters.

Soon after going to Harrisburg in 1955,

(Continued from page 1)

Dr. Goddard made a commitment to establish a state park within 25 miles of every Pennsylvanian. That goal has essentially been met today. In 1976, the Pennsylvania Bureau of State Parks was cited for the most outstanding state park system in the nation.

During Dr. Goddard's tenure, 45 parks, totaling 129,588 acres, were added to the state's park system. Seven additional parks were in planning stages when he retired in 1979.

Also under his leadership, two major bond issues were approved by the state's voters: Project 70 in 1964 and Project 500 in 1968. Project 70 provided \$70 million for parkland acquisition. Project 500 provided for development of parks and efforts to control acid mine drainage.

CES merger

of programs, faculties and attitudes.

In 1959, Dr. Walker asked the Trustees to authorize the separation of full-time programs from part-time evening programs. This was established by the new Commonwealth Campus system and the new Continuing Education Services from the former General Extension organization. The reason for this separation — and its unique genius — was to place full-time academic programs and faculty at the campuses under the control of centralized academic departments and colleges. The intent of this system of dispersed departmental ties was twofold: to assure students throughout the system that courses, programs and quality did not vary with location; and to establish academic credibility — by facilitating the general upgrading and recruiting of quality faculty. The separation of General Extension from resident education was done so the former could devote its energies and expertise to continuing education activities. And it made for a better continuing education delivery system, because University Park and the campuses could now complement each other's faculties and facilities.

By any measure, the 1959 reorganization worked well, although, at the time, there were some fears that the separation of activities would cause both to fail. So why, if the 1959 separation succeeded, were the two organizations reunited in 1980? Changing circumstances in the 21-year interim dictated a reunification. Consider the following:

— In 1959, the campuses or centers were hardly large or sophisticated operations. They existed mostly in run-down, unattractive rental facilities. University Park perceived them as lacking quality in nearly every aspect.

— In 1959, campus administrative staffs were virtually non-existent. The separation sought to ensure that quality administrators in both areas would be hired to nurture programmatic growth and excellence.

(Continued from page 1)

— In 1959, Campus directors were charged with mobilizing financial support in the community to help expand the campuses. Over the last 23 years, a remarkable building program aided by community investment has accommodated record enrollments, but, most important, a truly professional university faculty has been recruited.

— In the 1950s, the continuing education budgets exceeded the resident instruction budgets at the campuses. Today that is no longer the case. At York Campus, for instance, the resident instruction budget is three times as large as a very active continuing education budget. (The 1959 reorganization, it should be noted, did not remove campus directors from the responsibility for continuing education programs in the campus service area.)

So the 1980 merger had to take place. By 1980, the separation of 1959 had accomplished its goal: dramatic quantitative and qualitative increases in both the Continuing Education and Commonwealth Campuses organizations. Under the leadership of Dr. Scannell, the most successful parts of both programs have been put together in a patient and logical way.

Now, the resident instruction programs of the campuses — with their excellent faculties, facilities, and reputations for quality — will be further improved by the closer working relationship with a nationally respected continuing education program. Each function will enhance the other, and our most important clientele — the people of Pennsylvania — will benefit.

The 1980 reorganization is quelling the myth that a unified campus approach for serving the University's diverse constituencies will not work. It will work. It has a tradition of excellence upon which to build. The unified approach now will enhance, on the campuses, the three R's: the Recruitment of quality students and faculty; the Raising of money; and the Replenishing of goodwill.

(Continued from page 2)

Rosella A. Steiner, food service worker, Housing and Food Services, from Sept. 22, 1963, to July 31.

Willis W. Willard, assistant professor, Hershey Medical Center, from Sept. 11, 1968, to Aug. 1.

Publication Notice

Because of budgetary considerations, INTERCOM will continue to be published on a bi-weekly schedule throughout the academic year. The next issue is scheduled for Sept. 9. Deadline for submission of material continues to be one week prior to publication date.

News in brief

The Computation Center has announced that two introductory seminars on the student version of INTERACT, STUNTER, will be presented during September.

The first seminar will be given on Monday, Sept. 13, and repeated on Thursday, Sept. 16. Both sessions, scheduled for 7:30 p.m. in Room 108 Forum Bldg., are open to instructors and students.

University employees may be interested in Penn State's extended associate degree program in Letters, Arts, and Sciences, which may be earned through part-time studies.

Degree requirements are flexible, enabling the student to emphasize areas of career interest such as business, social sciences, mathematics, or computer science. Credits taken for the associate degree can be transferred later to a baccalaureate degree if those admission requirements are fulfilled.

To meet the scheduling demands of adult students, the University provides required and elective courses through Continuing Education, Independent Study by Correspondence, and Resident Instruction.

Pre-admission counseling is recommended for persons interested in the ELAS program. An education/vocational counselor at University Park and at each Commonwealth Campus can assist students in determining if the ELAS degree program is the appropriate choice for their academic and career goals.

Interested employees may contact the Continuing Education office at their campus. At University Park, persons may call 865-3443.

Pattee Library will be closed Aug. 28 and Sept. 29, Sept. 4-6 for term break.

Pattee will be open from 7:45 a.m. to 5 p.m. Aug. 26, 27, 30, and 31 and Sept. 1-3.

Pollock Library is closed and will reopen at 9 a.m. Sept. 7.

Orientation tours of Pattee will be held at 9 and 11 a.m. and 1 and 3 p.m. on Sept. 1, 2 and 3 and Sept. 7 and 8. An additional tour will be held at 7 p.m. Sept. 8. All tours begin in the main lobby.

Orientation tours of the Branch Libraries will be held on the same dates. Undergraduate tours will begin at 10 a.m. and graduate tours at 2 p.m.

The Branches are: Architectural Reading Room (207 Engineering Unit C); Earth and Mineral Sciences (105 Deike); Engineering (325 Hammond); Life Sciences (E210 Pattee); Physical Sciences (230 Davey Lab); and Mathematics (110 McAllister).

A copy of the 1981 State Employees' Retirement System annual report has been mailed to all faculty and staff members who are members of that retirement system. Any employee on leave of absence or layoff should contact his or her supervisor upon return to employment to secure a copy. Other faculty and staff members who did not receive a copy of the annual report may obtain one by contacting the Employee Benefits Division, Room 133 Willard Bldg., phone 865-1473.

More than 1,600 graduates are scheduled to receive degrees at Summer Term commencement exercises at 10:30 a.m. Saturday in Recreation Bldg.

President Oswald will award degrees, assisted by Trustee Helen D. Wise. Provost Eddy will preside at the exercises. Dr. Charles L. Hosler, dean of the College of Earth and Mineral Sciences, will speak. Commencement exercises at Behrend College and Capital Campus will bring the University-wide total of graduates to more than 2,000.

Dr. Graham B. Spanier, associate dean for resident instruction in the College of Human Development, has been named vice provost for curriculum and instruction at the State University of New York at Stony Brook, effective this fall.

Dr. Spanier, 34, professor of human development and sociology, will hold the academic rank of professor of sociology and psychiatry at SUNY/Stony Brook.

Dr. Spanier joined the faculty as assistant professor in 1973, after receiving his Ph.D. in sociology from Northwestern University. Before his 1979 appointment as associate dean in the College of Human Development, he served for two years as divisional professor-in-charge of Individual and Family Studies.

Members of the Class of 1922, who celebrated their 60th reunion this year, support the University's first and largest class memorial scholarship.

According to James Winck, assistant director of annual giving, special programs, the fund had its beginning with an unused balance of \$2,990 from the class members' general deposit. At the 15th reunion, the class decided to develop a memorial scholarship fund. In 1941 the "Fund" was officially established with a capital account of \$31,616.

Class support has increased the fund to \$132,390, with interest providing scholarships to worthy students. Over the life of the fund, 879 students have received a total of \$96,986.

Applications are sought for associate director

Applications and nominations are being sought for the position of associate dean for Extension and associate director of the Cooperative Extension Service.

The successful candidate will be expected to provide to the Extension staff administrative leadership for development, implementation, and evaluation of a wide variety of Extension programs and articulate these objectives to clientele being served by the Extension Service.

Candidates must have an earned doctorate in agriculture or other extension program area or appropriate discipline; an established record of dynamic administrative leadership, and a thorough understanding of the Cooperative Extension Service and the land grant university system.

Deadline for applications and nominations is September 30, or until a

suitable candidate has been identified.

Applicants and nominees should send a letter indicating interest in the position, a resume which includes official graduate transcripts, and names, addresses and telephone numbers of five references.

Information should be sent to:

Patricia Long, Chairperson
Research and Screening Committee
201 Agricultural
Administration Building
The Pennsylvania State University
University Park, PA 16802

INTERCOM is an internal communications medium published for the faculty and staff of The Pennsylvania State University.

William E. Campbell, Jr., Editor
Calendar Editor — 865-2501

Partings

Colleen Murphy, mechanic, experimental and maintenance, Liberal Arts, from Nov. 1, 1971, to Aug. 7.

Terrie M. Baker, food preparer, Housing and Food Services, from April 29, 1972, to July 7.

Obituaries

(Continued from page 2)

Sue A. Morrison, seamstress, Housing and Food Services, from Oct. 1, 1950, until her retirement July 1, 1958, died Aug. 4 at the age of 89.

Roxanna B. Sharer, residence hall worker, Ritenour Health Center, from Jan. 15, 1963, until her retirement Jan. 15, 1973, died Aug. 8 at the age of 73.

University Park Calendar

August 26 — September 9 Special Events

Thursday, August 26

Ag. Progress Days, 9 a.m.-5 p.m., Rock Springs.

Saturday, August 28

Continuing Education English and math placement examinations, 9 a.m., Keller Bldg.
Summer Term Commencement, 10:30 a.m., Recreation Bldg.

Monday, August 30

Distribution of faculty spaces, 7:15 a.m., Room C106C Pattee.
Seminar, 2 p.m., 301 Steidle. John Thomas, F.R.S., Cambridge Univ., on "Organic Chemistry in the Solid State."

Tuesday, August 31

Seminar, 1:30 p.m., 250 Materials Research Lab.
John Thomas, F.R.S., Cambridge Univ., on "Recent Trends and Future Possibilities in Zeolite Catalysts."

Wednesday, September 1

Continuing Education English and math placement examinations, 6:30 p.m., Keller Bldg.

Thursday, September 2

Registration for Fall Term, 8 a.m.-5:30 p.m., IM Bldg.
Continuing Education registration, noon-8 p.m., 101 Kern.
1982 Encampment, Stone Valley Recreation Area. Featured speaker, Dr. Clark Kerr, president emeritus, Univ. of California, 7:30 p.m.
HUB Craft Center registration, noon-5 p.m., 312 HUB.

Friday, September 3

1982 Encampment, Stone Valley Recreation Area.
Registration for Fall Term, 8 a.m.-5:30 p.m., IM Bldg.
Continuing Education registration, 9 a.m.-4 p.m., 101 Kern.

Wednesday, September 8

Shaver's Creek Environmental Center, Hawk Mountain Workshop, 7:30 p.m., 267 Recreation Bldg.

Thursday, September 9

HUB Craft Center Open House, 7:30-9:30 p.m., 312 HUB.

Exhibits

Chambers Gallery

Gallery hours: 9 a.m. to 5 p.m.-weekdays.
Philip Sauelender, printmaker, through Aug. 29.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Museum of Art

Museum hours: 11 a.m.-4:30 p.m. Closed Mondays, Tours, Sundays, 1:30 p.m.
CPFA juried crafts.
CPFA Painters of Central Pennsylvania Invitational.

Pattee Library

East Corridor Lobby:
Tom Hubben and Barbara DeWilde, paintings, through September 6.
Lending Services Lobby:
Susan Stewart, watercolors, through September 6.
Richard Sidoroff, photographs, opens September 6.

2nd Floor, East Pattee:

Betty Ayers, prints.

Visual Arts Zoller Gallery

Gallery hours: 9 a.m. to 5 p.m.-weekdays.
Tim Heves Memorial Painting Show, through September 5.

Appointments

Dr. Ronald L. Filippelli has been named head of the Department of Labor Studies, replacing Helmut J. Golatz who retired.

Prior to his appointment, Dr. Filippelli held joint responsibilities as associate professor and librarian. He taught courses in labor theory and history and comparative labor movements, and was archivist for the Pennsylvania Historical Collections and Labor Archives at Pattee Library.

Dr. Filippelli received his degrees from Penn State: bachelor's degree in American history, 1960; master's degree in economic history, 1967; and doctorate in labor history, 1970. He has been a member of the University staff since 1967.

Dr. Filippelli is the author of many articles about labor history. His book, *A History of the American Labor Movement*, will be published by the Bureau of National Affairs Press in 1983.

His research interests center on comparative labor movements and industrial relations systems, particularly of the Italian labor movement.

Dr. Carl G. Vaught has been named head of the Department of Philosophy. He has served as acting head of the department since December.

Dr. Vaught has published widely in these areas: the philosophy of religion, metaphysics, the history of philosophy and the philosophy of literature. He also is the author of a book, *The Quest for Wholeness*, published by the State University of New York Press. He edited another, *Essays in Metaphysics*, published by the Penn State Press.

Dr. Vaught holds a bachelor's degree from Baylor University and a master's degree and doctorate from Yale, all in philosophy. He joined the Penn State faculty in 1967 as assistant professor of philosophy and later was promoted to associate professor. He also has taught at Yale and Kansas State universities.

He serves on the editorial board of *Philosophy and Rhetoric* and is a member of the International Board of Advisors of the Center for Advanced Research in Phenomenology. He has been a visiting lecturer at the universities of Montana and

Denver and at Brigham Young, Western Carolina and Iowa State universities.

Since 1976 Dr. Vaught has been associate head of the Department of Philosophy. He also served for twelve years as graduate officer and graduate student adviser in the Philosophy Department. He has served on the Humanities Council of the College of the Liberal Arts, and was liberal arts officer of the Penn State Studies series for two years.

Captain William S. Hodgkins has been named professor of naval science and head of the Naval ROTC Detachment.

He replaces Captain Merlin C. Ritz, who has retired after serving in that capacity for four years.

Captain Hodgkins has been director of the Policy Division, U.S. European Command Headquarters, in Stuttgart, Germany, for the past four years. Before that, he was a member of the faculty of the Naval War College in Newport, R.I.

A native of Rutland, Vt., he holds a bachelor's degree in psychology from

Tufts University and a master's degree in management from the U.S. Navy Postgraduate School in Monterey, Calif. He is a graduate of the Naval War College.

Deborah A. Benedetti has been appointed writer-editor for the Department of Public Information and Relations.

Her duties include writing and editing for Intercom and covering the College of Liberal Arts for the News Bureau.

Ms. Benedetti, a graduate of Indiana University of Pennsylvania, received a master's degree in journalism at Penn State in May. While completing her degree, she taught news editing and evaluation for the School of Journalism and was a part-time sports reporter and feature writer for the Centre Daily Times. Since March 1981, she has worked as a proofreader and done some writing and editing in the Technical Publications Department at Supelco Inc., Bellefonte. From 1973 to 1979, she worked at the York Dispatch.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Sept. 2, 1982. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (FES-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

Physical Therapist, University Health Services, University Park — Responsible to the director, Renourner Health Center, for the operation and administration of the Physical Therapy Department and for the department's professional standards. Treat patients with disabilities, disorders, and injuries to relieve pain and develop and restore function using physical means such as exercise, massage, heat, water, light and electricity as prescribed by physician. Bachelor's degree in health education, biology or related field and graduation from an approved school of physical therapy is required. One to two years effective experience as a physical therapist is necessary. Candidates must be a registered physical therapist and have a Pennsylvania license to practice. **THIS IS A 9-MONTH CONTINUING POSITION.**

Junior Engineering Aide, Applied Research Laboratory, University Park — Responsible to project engineer for assistance in fabrication, testing, installation, calibration, operation, and maintenance of non-standard electronic parts, components and equipment. Associate degree or equivalent in electronic technology program, plus three months of effective experience in the testing and fabrication of experimental components and equipment. Experience in acoustic vibration testing is highly desirable.

Assistant Director of Physical Plant - Utilities and Energy, College of Medicine, Hershey — Responsible to the director of Physical Plant, Medical Center, for the operation and maintenance of the utilities plant and the primary electrical and mechanical distribution systems. Also responsible for the monitoring of utility use within the total physical plant and providing recommendations for adjustment, correction, and/or changes to conserve energy. Bachelor's degree in mechanical engineering or equivalency plus four to five years of effective and progressive experience in a physical plant operation, preferably relating to utility use distribution systems and energy conservation.

Accountant, College of Medicine, Elizabethtown Hospital — Responsible for the performance of general accounting duties as related to income, expenses, budgetary projection and preparation of financial reports. Bachelor's degree (or equivalent) in accounting plus one to two years effective experience.

Writer-Editor, College of Agriculture, University Park — Responsible to the director of Agricultural Communications. Edit journal articles, technical and other manuscripts for publication, resolve recommended changes with authors in conference, and coordinate design and layout on assigned publications. Process publications in production. Handle creative writing projects, including special newsletters, registrations, reports, and feature articles. Edit materials prepared by research and Extension

faculty. Participate in formal and informal evaluations of publications, direct mail, and other written communications. Work with design staff to coordinate letterheads and similar materials. Bachelor's degree in communications area and one to two years of effective experience is required. **FIXED TERM POSITION THROUGH JUNE 30, 1983.**

Senior Acquiring Editor, Vice-President for Research and Graduate Studies, University Press, University Park — Perform acquiring editor duties in the fields of science, engineering and agriculture for the development of book publishing proposals and book and manuscript evaluations; provide potential author identification and contact, evaluate and recommend long and short-range publication plans. Master's degree (or equivalent) plus five to six years effective experience involving higher education and book publishing.

Assistant to the Director for Annual Giving and Publications, Office of Gifts and Endowments, Hershey Medical Center — Responsible to the director, Office of Gifts and Endowments at the Milton S. Hershey Medical Center. Position involves assisting in all phases of the fund raising program at the Medical Center. More specifically, the position involves the development of additional private support through design and writing of direct mail solicitations, fund raising appeals and brochures, and stewardship reporting to various constituencies, attending and speaking to constituent groups; assisting in supervision of gift processing, acknowledging, recording and reporting system for private gifts. Bachelor's degree or equivalent in business administration, liberal arts, or related field and from one to two years of effective experience required. Skills in communication and public speaking are essential.

INTERCOM
Department of Public Information and Relations
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Penn State Intercom

Trustees approve 'prudent' budget plan

University Trustees have approved a state appropriation request for 1983-84 that University budget officers called "prudent and conservative."

"This is a very tightly drawn, responsible budget that seeks to protect the integrity of existing programs, without establishing new ones," President Oswald told the Trustees.

The University is seeking an increase of \$14.6 million in the State request, which is 10.2 percent over the 1982-83 appropriation. The proposed budget will be submitted to the Pennsylvania Department of Education next week.

Dr. Oswald said the increase was mandated by continuing sharp escalation of certain costs, such as retirement, Social Security and health benefits for faculty and staff members, fuel and utilities and other operating costs.

Last February, he said, the University

was notified that its general funds contribution to the State Employees' Retirement System would increase by \$2.3 million. In recent weeks, another sharp increase was announced that will make Penn State's contribution for the current fiscal year more than \$2 million higher. An additional increase, slated for 1983-84, will cost the University another \$1,075,000, Dr. Oswald said.

"The budget secretary of the Commonwealth currently is seeking alternate solutions to this problem," he said. In the meantime, he added, the University is requesting a supplemental state appropriation for 1982-83 of \$2,125,000 "to alleviate our financial problem in this respect."

Noting that the appropriation for student aid — currently at \$1,760,000 — has not changed since 1973-74, Dr. Oswald said the University is requesting a

\$1 million increase in funding for that purpose.

"With recent federal cutbacks in student aid funds, recent necessary tuition and board and room increases and the general state of the economy, additional student aid funding is critical," he said.

"We request \$1 million as an increase to the student aid appropriation to enable the University to provide partial support for students whose legitimate need for assistance cannot be met from other sources."

The appropriation request includes an average 5 percent tuition increase for all students, continuing a policy begun three years ago. However, Dr. Oswald added, although students benefit from their education and should share in rising costs, they have paid a disproportionate share of those costs in recent years.

"This budget plan recognizes that the

contribution of the state must be brought into better balance with that of the students," he said.

He noted that in the 1982-83 appropriation funding for medical education at Penn State's Milton S. Hershey Medical Center was increased in line with funding for other key line items. "We hope this significant action will continue," Dr. Oswald said.

In all, Penn State is requesting \$158,078,000 from the Commonwealth. That includes \$150,141,000 for general University operations, \$4,437,000 for the College of Medicine and \$3,500,000 for the Elizabethtown Hospital for Children and Youth, for which Penn State now has management responsibility.

"Our appropriation request was painstakingly prepared," Dr. Oswald

(continued on page 2)

Finance and operations reorganization approved

The Board of Trustees has approved a reorganization in the office of the senior vice president for finance and operations.

In July, when Steve A. Garban was promoted to senior vice president for finance and operations, it was announced that he would retain his title of controller until he made a proposal to President Oswald on how to deal with the controllership.

Mr. Garban, who was vice president and controller, succeeded Robert A. Patterson, who will be 65 this fall. To assure some overlap, Mr. Patterson agreed to stay on at least one year after Dr. Oswald retires next July.

"The reorganization," Mr. Garban told the Trustees, "deals with the controller function and is an attempt to define responsibilities and establish a clear line of responsibility."

George R. Lovette, assistant vice president for business, has been named associate senior vice president for finance

and operations. In that newly created post, he will be responsible for a portion of the overall University's administrative and support services and will act for Senior Vice President Garban in Mr. Garban's absence.

In addition, George L. Lane, deputy controller, has been named controller, and Salvatore A. Fulginiti moves from deputy controller to controller at the Milton S. Hershey Medical Center. All changes are effective immediately.

In particular, Mr. Lovette's duties will include: responsibility for personnel administration, University safety and security, purchasing, contract and grant

(continued on page 2)



George R. Lovette



George L. Lane



Salvatore A. Fulginiti

Higher education faces challenges

Penn State, as well as all of higher education, faces serious challenges of transition. Dr. Clark Kerr, president emeritus of the University of California, told the Encampment program at Stone Valley Recreation Area last week.

Dr. Kerr, featured speaker at the annual retreat for students, faculty and administrators, said the new challenges, including the prospect of declining enrollments for an extended period of time, "are more fraught with danger" than those higher education has met in the past.

"It is expected that this fall's enrollment will not be reached again until 2010. By and large, great research universities such as Penn State will be affected only at a moderate rate. Nevertheless, going from a rapid growth to a slowdown or lack of growth will be a traumatic situation. There will be a mental burden of not growing."

Dr. Kerr said higher education also must deal with the current economic conditions in the country and the fact that higher education is "no longer a high priority with the American people and no longer in the forefront of the development of this nation."

Despite this, he said higher education can make significant contributions in dealing with some serious challenges facing the country, including assisting the nation's youth in gaining a useful place in society; taking

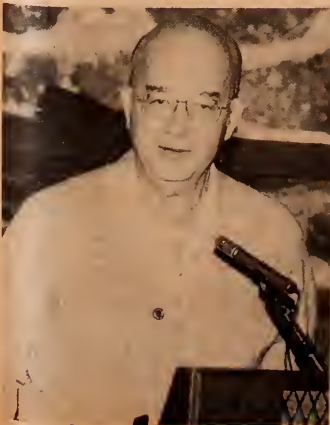
a leadership role in helping to attain a nation of educated people; and making some contribution to the moral and ethical fiber of America.

Dr. Kerr was invited to Encampment as a special tribute to President Oswald who introduced him as "one who played a very important role in my own professional life." The 1982 Encampment was dedicated to President Oswald who revived the concept soon after he came to the University in 1970. He has been a strong supporter of the program since that time.

In the Encampment's keynote address, Provost Eddy said the University faces four major dangers during a time of transition.

"First of all, we run the danger of being diverted by trivia. We run the danger of losing sight of the bigger picture because we are preoccupied with the trivia of our personal territories. The second danger is that, in our haste to promote unity during transition, we insist on intellectual conformity and lose the essential commodity of a great university: the excitement of differences of opinion."

Other dangers during transition, he said, are that of resignation, or just plain not caring, and postponement of all inconvenient decisions "on the grounds that Penn State will have new policies and perhaps even, it is hinted, radical changes in direction."



Dr. Clark Kerr

From the Trustee Docket

Copyright policy

Trustees have approved a new University Copyright Policy designed to permit faculty members to retain copyright ownership of their works except in special cases.

"The new policy follows traditional University thinking with respect to copyrights," Vice President for Research and Graduate Studies Richard G. Cunningham said.

Specifically, he said, faculty members will retain copyright ownership to their books and articles unless:

- the author signs a University copyright agreement relinquishing ownership before the work is begun;
- the work is created "within the scope of the author's University employment;" and no copyright agreement is signed; or
- copyright ownership is vested in an external sponsor of the project.

"This is an attempt to reduce the massive amounts of paperwork that we encountered when we began to implement provisions of the U.S. Copyright Act of 1976," Dr. Cunningham said. That law, which went into effect in 1978, bestows ownership of books and articles on the employer for copyright purposes.

In the past, Penn State has followed a policy that gave such ownership to the

employee in most cases. Since the enactment of the 1976 law, the University has been following a provisional policy that required faculty members to submit written forms to the University before a book or article was published to retain ownership.

The new policy defines "scholarly works" to be outside the "scope of faculty employment" for purposes of copyright ownership, Dr. Cunningham said. For the purposes of this policy, scholarly works are defined as all contributions to collective works and all literary works created by faculty members except instructional materials, he said. Instructional materials created within the scope of the author's University employment can also be owned by the author, he added, if an agreement to that effect is signed before the work is completed.

Commissioned works will be governed by copyright agreements signed before the work is begun.

The University maintains a copyright policy as a resource for faculty and staff members and because the handling of sponsored programs requires it. The new copyright policy has been approved by several groups and individuals at Penn State, including the University's Copyright Committee and chairpersons of the University Faculty Senate committees on Research and Faculty Affairs.

alumni and friends of the University. No tuition or tax dollars were used on the project.

Overall design of the sports complex was done by the Pittsburgh architectural firm of Deeter, Ritchey, Sippel Associates. The football office suite and Hall of Fame were designed by Brian Morris of Miami, Fla. The Greenbergs brought in Mr. Morris to work on these areas.

In addition to offices and a Hall of Fame, the sports complex provides an indoor arena for football, baseball, softball, soccer, lacrosse, field hockey and skating; a year-round 85- by 200-foot ice skating rink and a smaller practice rink with seating for about 1,100 spectators; and a support building with locker rooms, showers, offices and meeting rooms.

The complex will be used for non-sports events also. Dr. Oswald said. The Penn State Blue Band, ROTC and various University classes will use the facility.

Mr. Greenberg, a 1954 graduate of Penn State, is a member of the Penn State Fund Council, which was instrumental in raising funds for this project. He also is a member of the Mount Nittany Society.

Mr. Greenberg and his wife, who live in Bal Harbour, Fla., founded the Energy Development Corporation, a family investment business. He is the retired president of the company.

plans call for a building that will cost about \$2 million.

Penn State Capital Campus is in the midst of a \$550,000 capital gifts campaign to help finance construction of the building, he noted.

"The Science and Technology Building will house laboratories for chemistry, physics, water resources, civil engineering materials and geology, in addition to classrooms and faculty research areas."

The building will enhance the quality of academic programs in Capital Campus' Division of Science, Engineering and Technology — from which more than 2,000 students have graduated since 1967, he said.

"The Impact of the Science and Technology Building will go far beyond the campus," Mr. Lovette said. Noting that the University sees the building as providing the support and trained personnel needed for the growth of business and industry in southeastern Pennsylvania, he said it also will permit a wider range of continuing education programs for the community.

Board bylaws

The Board of Trustees has approved an amendment to its Corporate Bylaws governing eligibility for membership on the board.

Under the amended bylaws, University employees may not serve on the Board and must wait for at least three years after leaving University employment before becoming eligible for Board membership. That does not apply to ex officio members of the Board or University students employed part-time by Penn State.

Specifically, the new regulations state that:

— Members of the Board of Trustees shall be natural persons of full age who need not be residents of the Commonwealth of Pennsylvania.

— A person who is employed in any capacity by the University shall not be eligible to serve as a member of the Board of Trustees. This qualification for membership shall not apply to a person who is an ex officio member of the Board,

nor to a person who is a student employed part-time by the University.

— A person shall not be eligible to serve as a member of the Board of Trustees for a period of three years from the July 1 coincident with or next following the date of last employment in any capacity by the University. This qualification for membership shall not apply to a person who is an ex officio member of the Board, nor to a person who is a student employed part-time by the University.

— Only graduates of The Pennsylvania State University who shall have received an associate degree, a bachelor's degree or an advanced degree from the University shall be eligible to serve as a Trustee elected by the Alumni. No member of the faculty or the governing board of any other college or university in Pennsylvania shall be eligible to serve as a Trustee elected by the Alumni. This is not a change in policy, the Trustees noted. Listed among the Board's regulations in the past, it is now being added to the bylaws.

UP housing plans

Trustees have approved sketch plans for prototype student apartment housing on the University Park Campus.

Submitted by the architectural firm of John C. Haas Associates of State College, the plans call for 32 units of garden apartments and townhouses to be constructed in the Nittany housing area.

"These prototype units would be built on the site of the Theatre Arts Production Studio, which is slated for demolition," said George R. Lovette, assistant vice president for business.

"In our initial planning two years ago, we explored with students the various types of housing suitable to their needs. We are now in the process of seeking the views of current students about their attitudes toward prototype units."

The prototype units would house 128 students, Mr. Lovette said. Plans call for the construction of 16 townhouses and 16

garden apartments. The latter would consist of eight four-bedroom and eight two-bedroom units. In addition, each unit also would contain a living room, bath and kitchen area.

"If the prototype units prove successful," he said, "the University would be in a position to replace the entire Nittany housing area with additional student apartments."

The Nittany area, consisting of military barracks-type units, has been designated as "temporary" University housing since World War II.

University studies have indicated increased student demand and need for on-campus apartment-type housing, Mr. Lovette said.

Final plans for the prototype units will be available for Trustee approval in the Spring of 1983, he added. Funding for the project would come via a bond issue of the Centre County Higher Education Authority.

(Continued from page 1)

Trustees approve

said. "The request, which does not include all of our needs, recognizes the serious financial problems faced by the state and the nation. Any changes in programs will be financed by the reallocation of resources from within the University."

The proposed budget, he said, is an attempt to cover rising costs of fuel and utilities, books, services and supplies, and to allow the University to remain competitive in the salaries it pays. It includes no funds for program improvements or additions, he said.

Finance & operations

acceptance, real estate and gifts and banking and finances.

The decision to name two controllers — in the past, the University has had just one controller for all campuses — was made because of the growing complexity and importance of the controller's role at Hershey, Mr. Garban said.

Mr. Garban was the University's controller for 11 years. In 1981, he was named vice president and controller.

Mr. Lovette was appointed assistant vice president for business in 1972. For four years before that, he served as assistant to the vice president for business.

Mr. Lovette joined the University in 1958 as assistant to the controller. He became coordinator of branch accounting offices in 1964 and the following year he was promoted to assistant to the director of the Commonwealth Campuses. While in that post, he coordinated the building program for Penn State's Commonwealth Campus system at 18 locations throughout Pennsylvania. He holds a bachelor's degree in business administration from Penn State.

The Trustees also approved a Capital Budget Request to the state for expenditure of \$40,864,000 in 1983-84, the first year of a five-year capital improvement program. The request is primarily for badly needed renovations to existing facilities and for upgrading of utility systems rather than for new construction, Dr. Oswald said.

He noted that the emphasis of the capital improvement program is on extending the life of existing facilities through renovations, particularly to make them more energy-efficient.

(Continued from page 1)

Mr. Lane earned a bachelor's degree in business administration from Penn State in 1958. Following his graduation, he joined the Penn State staff as an auditor and cost accountant. In 1966 he was named assistant controller and in 1973 deputy controller.

Mr. Fulginiti was named deputy controller at Hershey in 1968. Before that, he was associated for nine years with the Philadelphia accounting firm, Haskins and Sells.

He attended Duquesne University and holds a bachelor's degree in accounting from American University. He is a Certified Public Accountant in Pennsylvania.

Trustee news

Additional news from the Sept. 10 meeting of the University Board of Trustees will be carried in the Sept. 23 issue of Intercom.

Sports complex

The indoor sports complex on the University Park Campus has been named the Philip M. and Barbara E. Greenberg Indoor Sports Complex.

"The generosity of the Greenbergs," President Oswald emphasized to Trustees, "went a long way toward making the funding and ultimate construction of this facility a reality. In particular, they supported the concept of a beautiful new Hall of Fame connected architecturally to the football office suite. The Hall of Fame is truly a unique and inspiring home for displaying Penn State's athletic achievements."

"I know of no other university that can match the opportunities for recreation and physical activity which our new sports complex provides."

The generosity of the Greenbergs helped to stimulate one of the largest fund-raising campaigns ever undertaken in the University's history. Nearly \$2.5 million in gifts and pledges were raised in 2,293 contributions to complete the project. Many contributors gave repeated donations during the period of construction.

All funds for the complex, including design costs, were provided through operational income and contributions from

Capitol bldg. plans

Trustees have approved preliminary plans for the proposed Science and Technology Building at the Capitol Campus in Middletown.

Approval of the preliminary plans sets the stage for the development of final plans, said George R. Lovette, assistant vice president for business.

"Final plans should be ready for Trustee review in the spring of 1983," he added. "If Trustee approval is forthcoming at that time, the University could advertise for bids immediately. If that is the case, construction could be completed and the building made ready for use by September 1984."

"The new laboratory facility, the first of its kind on the Capitol Campus, will enable Capital to develop joint programs with other Penn State campuses, such as York and the Milton S. Eshersky Medical Center."

Submitted by the architectural firm of Hayes, Large, Suckling & Fruth of Altoona and Harrisburg, the preliminary

Semester change: update

Smooth transition expected

The University expects to make a smooth transition to its new semester calendar, members of the Board of Trustees have been told.

"We are still on schedule with respect to the many decisions that have to be made to accommodate the new semester calendar," Dr. James B. Bartoo, dean of the Graduate School and chairman of the Calendar Conversion Council, reported to the Board's Committee on Educational Policy.

President Oswald reported to the Board of Trustees last March that Penn State would move to an early semester calendar effective Fall, 1983. The early-semester plan, with classes usually starting in late August and ending in mid-May, is in effect at more than half of the colleges and universities in the country.

President Oswald laid out general policies and principles governing the new calendar and established the 25-member Calendar Conversion Council, a recommending body which has been addressing major issues relating to the calendar conversion.

In his progress report, Dean Bartoo said all programs and courses at both undergraduate and graduate level have

been reviewed by the various faculties and have been processed through the appropriate committees of the University Faculty Senate and the Graduate Council.

Dean Bartoo reported that the semester calendar has been modified from 14 weeks to 15 weeks of instruction in order to accommodate the various classes and other requirements.

The Calendar Council, he said, has spent a great deal of time in communicating details of the transition with various University groups.

According to Dean Bartoo, there is still unfinished business with respect to the conversion to a semester calendar.

"One of the more complex issues," he told the Trustees, "involves details of operating a summer session. We have progressed towards a resolution of the complex issues surrounding the summer session and I am confident that we will have the details of this worked out within a month or two."

Other matters that need some attention, he said, are minor changes in working conditions for staff and clerical personnel to accommodate the semester calendar and conditions of employment for graduate assistants.

Program categories revised

As the University prepares to change from a term to a semester calendar next year, the University Faculty Senate has revised its baccalaureate program categories and definitions.

Chief among the revisions is the use of the term "minor" to replace the formerly used "non-major option."

"The change is being made," Dr. Robert E. Dunham, vice president for undergraduate studies told Trustees, "because minor is widely used at other universities and therefore more readily recognized."

At Penn State, a minor will be a specialization of at least 18 credits — at least six of them at the 400 level — to supplement a major. It may be in a particular discipline or interdisciplinary.

Other categories and definitions approved by the Faculty Senate are:

— Baccalaureate degree: an award signifying a rank or level of educational achievement. Particular types of baccalaureate degrees identify educational programs having common objectives and requirements, and may provide academic, pre-professional or professional experiences and preparation.

— Major: a program of study in a field of concentration within a type of baccalaureate degree.

— Option: a specialization within a major which involves at least one-third of the course work credits required for the major. All options within a major must have in common at least one-fourth of the major's required course work credits.

To make the conversion to a semester system, Dr. Dunham noted, every baccalaureate and associate degree program has been reviewed and, when appropriate, revised.

"Other than simple format changes, a total of 181 changes have been made to undergraduate programs — 177 to baccalaureate programs and four to associate programs," he said.

For example, he noted, 64 new options have been added to, and 22 options dropped from, existing majors in baccalaureate degree programs. Twelve baccalaureate options have had name changes and two existing options were combined into one. No additional University funds have been required to make these semester conversion changes, Dr. Dunham said.

'Perspective on the '80s' proposals implemented

The University continues to gain momentum in implementing proposals from "A Perspective on the '80s," the planning document adopted two years ago by the Trustees.

"In adopting the Perspective," Provost Eddy reported, "the Board obviously wanted and expected changes to be made."

The University, he said, has responded with "a surprisingly large number of major actions." Dr. Eddy cited a number of areas in which the University has responded to recommendations made in the Perspective, among them:

- integration of Commonwealth Campus and Continuing Education administration;
- the conversion from a term to a semester calendar;
- the re-examination of basic degree requirements at Penn State, which began

with major conferences last January and May;

- the appointment of a woman to the deanship of the College of Health, Physical Education and Recreation;
- the development of academic leadership through a department head workshop and study groups for academic administrators; and

- the signing of a contract with Electronic Data Systems Corporation of Dallas for provision of an administrative information software system.

In addition, Dr. Eddy said, the University now has a vice president for development.

"The influence of that office is already visible," he said. "For example, University staff members were invited in a recent mailing to avail themselves of new opportunities to contribute to Penn State."

"The College of Earth and Mineral Sciences has set an example for all to

emulate, having increased its gifts by 64 percent in the past year."

Dr. Eddy also told the Trustees the University's Fund for Academic Excellence has been highly successful in encouraging innovative approaches to learning. The Fund provides seed money for special projects.

"The Fund launched the highly successful University Scholars Program," which this year has increased its enrollment by 40 percent, he said.

"The Fund also gave initial support to the Center for the Study of English as a Second Language and to the Center for Values Studies and Professional Ethics, two important offspring of the Penn State Academic Program."

In addition, Dr. Eddy said, the Fund has established an essay contest for high school students, in cooperation with the Pennsylvania Council of Teachers of English, and helped to underwrite an

intensive summer program in French.

Dr. Eddy gave the Board members copies of a "Periodic Review Report" recently submitted by Penn State to the Middle States Association of Colleges and Secondary Schools, which accredits the University. The report details action taken in many of the areas recommended in the Perspective.

"Perhaps the best summary of the present status of the Perspective," he said, "is that it continues to serve as a checklist of specific intended actions and objectives toward which the University should be working. In addition, it is an overall guide to future directions for the University as a whole."

Quality, selectivity and flexibility — words used repeatedly in the Perspective — "continue to be key words, reiterated in reports and discussions issuing from all areas of the University," he said.

Foster to continue as Fund Council president

Lawrence G. Foster of Westfield, N.J., will continue as president of the Penn State Fund Council for a third year, following action by the Board of Trustees.

Edward R. Hintz Jr. of Chatham, N.J., will serve a one-year term as vice president of the Fund Council, in a newly created position.

The Fund Council, whose 42 members are prominent alumni and friends of the University, advises Penn State's president on matters related to private fund-raising. It was established in 1974 by the Board of Trustees.

Trustees authorized President Oswald to extend the term of the presidency of the Fund Council for one year. Dr. Oswald then reappointed Foster to serve for an additional year as president to coincide with his own tenure. Ordinarily, Fund Council presidents, appointed by the University's president, serve for one two-year term.

The action was being taken, said Dr. Richard E. Grubb, senior vice president for administration, to ensure continuity.

"Mr. Foster's experience and leadership on the Fund Council have been invaluable

in raising the level of private giving to the University in the last two years," he said.

"Extending his term of office for another year will provide the continuity needed for Joseph J. Mansfield, our new vice president for development, to become more familiar with the Council's work."

Mr. Mansfield joined the University's staff earlier this summer and will be working closely with the Fund Council.

"One of the Council's major tasks," Mr. Foster said, "is to convey to Penn State alumni the need for increased private giving to maintain the University's academic excellence. Penn State has research and educational programs of direct interest to businesses across the United States. Our graduates are in thousands of key positions in these businesses. We need to develop a closer relationship with those graduates and work together toward mutual objectives which businesses and the University share."

Mr. Foster is a 1948 alumnus of Penn State and corporate vice president and assistant to the chairman of the board of Johnson and Johnson, the world-wide health care company headquartered in

New Brunswick, N.J. He was elected an alumni trustee in 1980 and is a past president of the Penn State Alumni Association. In 1979, he was named a Distinguished Alumnus of the University.

Mr. Hintz is president of Hintz Capital Management and a 1959 graduate of Penn State. He was appointed to the Fund Council in January, 1981, and has served as a member of its Steering Committee since September of that year.

University to register name

The Board of Trustees has voted to register the University name and appropriate identifying marks with the U.S. Patent and Trademark Office.

Penn State will establish a formal licensing program to control the use of its symbols.

The action was taken in response to a dramatic increase in the number of requests to use the Penn State name and symbols for commercial goods and services, said Dr. Richard E. Grubb, senior vice president for administration.

"As a result of these requests, the University has examined the measures necessary to protect its symbols from potential misuse," Dr. Grubb said. "By registering our name and symbols, we will

be able to prevent them from being used on goods that are hazardous or inappropriate."

Without this protection, he said, the University's name could be used on such items as firearms, athletic equipment, alcoholic beverages, or tobacco products, or to advertise services offering assistance in writing papers or theses.

"Requests to use the University's name and symbols will be carefully reviewed," Dr. Grubb said. "If the proposed use is satisfactory to the University, a license agreement will be worked out that will impose the necessary controls and restrictions and, when appropriate, require that a royalty be paid to the University."

University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Fall Term 1982

Special Events

Thursday, Sept. 9

Cooperative Art Assoc., print sale, through Sept. 10, Kern Commons.
Penn State Internationale Dancers meeting, 7-9 p.m., 133 White Bldg. Meetings continue throughout term every Tuesday and Thursday from 7-9 p.m., and Sunday from 3-4:30 p.m.
HUB Craft Center Open House, 7:30-9:30 p.m., 312 HUB.
Kern Classics, *Star Wars*, 7 and 9 p.m., 112 Kern.

Friday, Sept. 10

Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker Bldg. Dean Charles Hosier, Earth and Mineral Sciences, on "Trusting Our Instincts — Or, Do Academics Sometimes Carry Analysis Too Far?"
Commonplace Theatre, 7 and 9 p.m., 112 Kern.
Sports: soccer vs. Rhode Island, 7:15 p.m.

Saturday, Sept. 11

Shaver's Creek Environmental Center, Ecotour, Hawk Mountain Sanctuary, 5 a.m.-7 p.m. Registration: 238-5872.
Sports: football vs. Maryland, 1:30 p.m.

Sunday, Sept. 12

HUB Craft Center classes begin.
Commonplace Theatre, *Star Wars*, 2, 7 and 9 p.m., 112 Kern.

Week of Sept. 13

Monday, Sept. 13

T.V. Quarterback, noon, Kern Lobby.
France-Cinema, *Camus, Black Orpheus*, 7 and 9 p.m., 112 Kern.
Instructional Development Program seminar, "Assuming the Teacher Role — Credibility and Control," 7-8:30 p.m., 305 HUB.
Computation Center, introductory seminar on student version of INTERACT, STUNTER, 7:30 p.m., 108 Forum Bldg., Also Sept. 16.

Tuesday, Sept. 14

Shaver's Creek Environmental Center, Ecotour, Falling Water-Bear Run Hiking, 7 a.m.-8 p.m. Registration: 238-5872.
Museum of Art, gallery talk, 10:30 a.m. Duncan Robinson, Yale Center for British Art, on "Painting of Stuart England."
Life on Earth Series, *The Infinite Variety*, noon, Kern Lobby.
Sports: women's tennis vs. West Chester, 2:30 p.m.; field hockey vs. Princeton, 3 p.m.
Comp. Lit. Luncheon, 12:15 p.m., 204 HUB.
Robert Hudson, English, on "Emerson and Fuller."

Instructional Development Program seminar, "Lecture Presentation Skills," 7-8:30 p.m., 305 HUB.

APPLE Users Group meeting, 7:30 p.m., 189 Materials Research Lab.
Artists Series, Itzhak Perlman, violinist, 8:30 p.m., Eisenhower Auditorium.

Wednesday, Sept. 15

Commons Concert, Stan Shepherd, noon, Kern Lobby.
Instructional Development Program, "Discussion Techniques," 7-8:30 p.m., 305 HUB.

Thursday, Sept. 16

Late Registration Deadline.
Add Deadline
Penn State Game of the Week, noon, Kern Lobby.
Kern Classics, *Summer of '42'*, 7 and 9 p.m., 112 Kern.
Instructional Development Program seminar, "Test Construction and Grading," 7-8:30 p.m., 305 HUB.

Friday, Sept. 17

Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker Bldg. Daniel Georges-Abeyie, administration of justice, on "Crime, Terrorism, and Guerrilla Warfare: Is Geography Relevant?"
Commonplace Theatre, *A Clockwork Orange*, 7 and 9 p.m., 112 Kern. Also Sept. 19.

Saturday, Sept. 18

France-Cinema, *Fellini, City of Women*, 7 and 9 p.m., 112 Kern. Also Sept. 20.
Sports: women's cross country, Lady Lion and Alumnae Invitational; men's cross country, Spiked Shoe Invitational; football vs. Rutgers, 1:30 p.m.; women's volleyball vs. Kent State, 2 p.m.

Week of Sept. 20

Monday, Sept. 20

HUB Craft Center registration for second session classes, noon-5 p.m., 312 HUB, through Oct. 17.
T.V. Quarterback, noon, Kern Lobby.

Tuesday, Sept. 21

Life on Earth Series, *Building Bodies*, noon, Kern Lobby.
Comp. Lit. Luncheon, 12:15 p.m., 204 HUB.
Suzanne Roy, music, on "Poetry and Music: Mallarme and the Composers."
Senate-Faculty Council meeting, 1:30 p.m., 101 Kern.

Wednesday, Sept. 22

Commons Concert, noon, Kern Lobby.

Thursday, Sept. 23

Pass-Fail.
Fixed date for meetings involving Commonwealth Campus faculty.
Penn State Game of the Week, noon, Kern Lobby.
Kern Classics, *The Thing*, 7 and 9 p.m., 112 Kern.

Friday, Sept. 24

Pass-Fail.
Fixed date for meetings involving Commonwealth Campus faculty.
Sports: JV football vs. Nassau Community College, 2 p.m.; soccer vs. Cleveland State, 6:30 p.m.
Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker Bldg. David Kibler, civil engineering, on "Trickles to Torrents: Urbanization and Runoff."
Commonplace Theatre, *Arthur*, 7 and 9 p.m., 112 Kern. Also Sept. 26.

Saturday, Sept. 25

Pass-Fail.
Fixed date for meetings involving Commonwealth Campus faculty.
Sports: football vs. Nebraska, 1:30 p.m.
France-Cinema, *Wei, Gallipoli*, 7 and 9 p.m., 112 Kern. Also Sept. 27.

Week of Sept. 27

Monday, Sept. 27

Drop deadline.
Preregistration deadline for Winter Term.
Shaver's Creek Environmental Center, Ecotour, Baltimore's National Aquarium, 6:45 a.m., 8 p.m. Registration: 238-5872.
T.V. Quarterback, noon, Kern Lobby.

Tuesday, Sept. 28

Museum of Art, gallery talk, 10:30 a.m. Jeanne Chenaux Porter, art history, on "The Baroque Phenomenon: Searching for a Definition."
Life on Earth Series, *The First Forests*, noon, Kern Lobby.
Comp. Lit. Luncheon, 12:15 p.m., 204 HUB.
Cornelia Comoroski, Univ. of Angers, France, on "The Basic Metaphor of the Theatre of the Absurd."
Faculty Women's Club, Fall reception, 7:30-9 p.m., Kern.

Wednesday, Sept. 29

Commons Concert, noon, Kern Lobby.

Thursday, Sept. 30

Shaver's Creek Environmental Center, Ecotour, Hawk Mountain Sanctuary, 6:15 a.m.-4 p.m. Registration: 238-5872.
Penn State Game of the Week, noon, Kern Lobby.
Kern Classics, *The Day the Earth Stood Still*, 7 and 9 p.m., 112 Kern.

Friday, Oct. 1

Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker Bldg. Robert Schmalz, geology, on "Hutton and the Hobbogin: A Revisionist View of Uniformitarianism."
Sports: soccer vs. Akron, 7:15 p.m.
Commonplace Theatre, *Apocalypse Now*, 7 and 9 p.m., 112 Kern. Also Oct. 3.

Saturday, Oct. 2

Shaver's Creek Environmental Center, Harvest Moon Crafts Workshop, 9 a.m.-4 p.m.
Harvest Moon Party, 6:30 p.m.-10 p.m. Registration: 238-5872.
Sports: field hockey vs. North Carolina, 11 a.m.
France-Cinema, *Deville, Voyage en deux*, 7 and 9 p.m., 112 Kern. Also Oct. 4.

Sunday, Oct. 3

Sports: soccer vs. Wake Forest, 1:30 p.m.
Artists Series, Festival of the Nile, 8:30 p.m. Eisenhower Auditorium.



Week of Oct. 4

Monday, Oct. 4
T.V. Quarterback, noon, Kern Lobby.

Tuesday, Oct. 5
Shaver's Creek Environmental Center, Docent Enrichment Program, 9 a.m.-noon.
Registration: 238-5872.
Life on Earth Series, *The Swarming Hordes*, noon, Kern Lobby.

Comp. Lit. Luncheon, 12:15 p.m., 204 HUB.
Tala Kashim Ibrahim, Univ. of Yaounde, Cameroon, on "The Mvet as a Unique Form of Oral Literature in Cameroon."

University Senate meeting, 1:10 p.m., 112 Kern.

Wednesday, Oct. 6
Commons Concert, Rustical Quality String Band, noon, Kern Lobby.

Instructional Development Program seminar, "Course Conversion: Adapting Term Courses to Semester Time Frames," 9:30-11 a.m., 305 HUB. Also Oct. 7, 3:40-5 p.m.

Thursday, Oct. 7
Bloodmobile, 10 a.m., 101 and 101-A Kern.
Kern Classics, *Our Man Flint*, 7 and 9 p.m., 112 Kern.

Friday, Oct. 8
Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker Bldg. C. Gregory Knight, geography, on "Energy in the Third World: Is the Liberian Assessment."

Commonplace Theatre, *Whose Life Is It Anyway?*, 7 and 9 p.m., 112 Kern.

Sports: soccer vs. Lock Haven, 7:15 p.m.

Saturday, Oct. 9
Shaver's Creek Environmental Center, Run for the Fall Colors, 10 K and Fun Run, 10 a.m.
Registration: 238-5872.

Sports: field hockey vs. Rutgers, 1 p.m.

Artists Series, 1 Music, 8:30 p.m., Eisenhower Auditorium.

Sunday, Oct. 10
Shaver's Creek Environmental Center, Woodcutters Workshop, 2-5 p.m.

Week of Oct. 11

Monday, Oct. 11
Faculty Women's Club, brown bag luncheon, 11:45 a.m., 301 Agriculture Administration Bldg. Willard Martin on "The Amish."

T.V. Quarterback, noon, Kern Lobby.

Tuesday, Oct. 12
Shaver's Creek Environmental Center, Docent Enrichment Series, 9 a.m.-noon.
Registration: 238-5872.

Life on Earth Series, *A Conquest of the Waters*, noon, Kern Lobby.

Comp. Lit. Luncheon, 12:15 p.m., 204 HUB.
David Palermo, psychology, as "A Psychologist Looks at Metaphor."

Sports: field hockey vs. Temple, 3 p.m.; soccer vs. East Stroudsburg, 7:15 p.m.

Wednesday, Oct. 13
Shaver's Creek Environmental Center, Ecotour, Hiking at Ricketts's Glen State Park, 7 a.m.-8 p.m. Registration: 238-5872.

Commons Concert, Live Bombers, noon, Kern Lobby.

URTC, *Kopit, Wings*, 8 p.m., Pavilion. Also Oct. 14, 15, 16.

Thursday, Oct. 14
Instructional Development Program seminar, "Coping with Large Classes," 3:40-5 p.m., 305 HUB. Also Oct. 13, 9:30-11 a.m.

Artists Series, *Annie*, 7:30 p.m., Eisenhower Auditorium. Also Oct. 15, 8:30 p.m.

HUB Craft Center Open House, 7:30-9:30 p.m., 312 HUB.

Penn State Game of the Week, noon, Kern Lobby.

Friday, Oct. 15
Shaver's Creek Environmental Center, Ecotour, Hawk Mountain Sanctuary, 6:15 a.m.-7 p.m. Registration: 238-5872.

Sports: JV football vs. Fort Union Military Academy, 2 p.m.; soccer vs. Long Island, 7:15 p.m.

Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker Bldg. Rodney Erickson, geography, on "The Condition of England."

Saturday, Oct. 16
Sports: men's fencing, Alumni Invitational; men's cross country, Nittany Lion Classic, football vs. Syracuse (homecoming).

Sunday, Oct. 17
HUB Craft Center second session classes begin. Shaver's Creek Environmental Center, Fall Explorations Walk, 2-4 p.m., Stone Valley.

Artists Series, *Clare Bloom: These Are Women*, 8:30 p.m., Schwab.

Week of Oct. 18

Monday, Oct. 18
T.V. Quarterback, noon, Kern Lobby.

France-Cinema, *Malle, Frantic*, 7 and 9 p.m., 112 Kern.

Tuesday, Oct. 19
Shaver's Creek Environmental Center, Ecotour, Baltimore National Aquarium, 6:45 a.m.-8 p.m.; Docent Enrichment Series, 9 a.m.-noon. Registration: 238-5872.

Museum of Art, gallery talk, 10:30 a.m. Hedy B. Landman, museum consultant, on "Decorative Arts of Stuart England."

Life on Earth Series, *Intension of the Land*, noon, Kern Lobby.

Comp. Lit. Luncheon, 12:15 p.m., 204 HUB.
Jeanne Porter, art history, "Iconography in the Seventeenth Century."

Wednesday, Oct. 20
Fixed date for meetings involving Commonwealth Campus faculty.

Commons Concert, Allegheny String Band, noon, Kern Lobby.

Artists Series, *I'm Getting My Act Together and Taking It On The Road*, starring Connie Stevens, 8:30 p.m., Eisenhower Auditorium.

Thursday, Oct. 21
Fixed date for meetings involving Commonwealth Campus faculty.

Penn State Game of the Week, noon, Kern Lobby.

Kern Classics, *Laurence of Arabia*, 7:30 p.m., 112 Kern.

Friday, Oct. 22
Fixed date for meetings involving Commonwealth Campus faculty.

Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker Bldg. E. Lynn Miller, landscape architecture, on "America's Great Venture into Socialism: FDR's New Deal Communities."

Commonplace Theatre, *The French Lieutenant's Woman*, 7 and 9 p.m., 112 Kern. Also Oct. 24.

Shaver's Creek Environmental Center, Glenn Jenks, folk music, 8 p.m., Paul Robeson Cultural Center.

Artists Series, Rosalyn Tureck, pianist and harpsichordist, 8:30 p.m.; Schwab.

Saturday, Oct. 23
France-Cinema, *Truffaut, The 400 Blows*, 7 and 9 p.m., 112 Kern.

Week of Oct. 25

Monday, Oct. 25
First day to sign Winter Term NDLS and University Long Term Loans, Room 108 Shields Bldg.

Shaver's Creek Environmental Center, Ecotour, Hawk Mountain Sanctuary, 6:15 a.m.-8 p.m. Registration: 238-5872.

T.V. Quarterback, noon, Kern Lobby.

Tuesday, Oct. 26
Shaver's Creek Environmental Center, Docent Enrichment Series, 9 a.m.-noon.
Registration: 238-5872.

Life on Earth Series, *Victors of the Dry Land*, noon, Kern Lobby.

Comp. Lit. Luncheon, 12:15 p.m., 204 HUB. Kit Hume, English, on "Recent Theories of Fantasy Compared."

Senate-Faculty Council meeting, 1:30 p.m., 101 Kern.

Wednesday, Oct. 27
Commons Concert, noon, Kern Lobby.

Thursday, Oct. 28
Penn State Game of the Week, noon, Kern Lobby.

Kern Classics, *Pollergest*, 7 and 9 p.m., 112 Kern.

Friday, Oct. 29
Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker Bldg. Anne Buttimer, Lund University, on "Geography and Experience."

Commonplace Theatre, *Pollergest*, 7 and 9 p.m., 112 Kern. Also Oct. 31.

URTC, *Molere, Toralf*, Playhouse Theatre. Also Oct. 30, 31; Nov. 27, 10-13.

Artists Series, Tashi, clarinet and string quartet, 8:30 p.m., Schwab.

Saturday, Oct. 30
France-Cinema, *Deneuve, Dite*, 7 and 9 p.m., 112 Kern. Also Nov. 1.

Week of Nov. 1

Monday, Nov. 1
Last day for signing Fall Term NDLS and University Long Term Loans, 108 Shields Bldg.

Late drop deadline.

T.V. Quarterback, noon, Kern Lobby.

Tuesday, Nov. 2
Shaver's Creek Environmental Center, Docent Enrichment Series, 9 a.m.-noon.
Registration: 238-5872.

Life on Earth Series, *Of the Air*, noon, Kern Lobby.

Comp. Lit. Luncheon, 12:15 p.m., 204 HUB.
Jeremy Griffiths, Oxford, on Chaucer manuscripts.

Wednesday, Nov. 3
Commons Concert, Whetstone Run, noon, Kern Lobby.

Thursday, Nov. 4
Penn State Game of the Week, noon, Kern Lobby.

Kern Classics, *Jeremiah Johnson*, 7 and 9 p.m., 112 Kern.

Friday, Nov. 5
Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker Bldg. Richard Chait, associate provost, on "Beyond Traditional Tenure: Alternatives to the Tenure System."

Commonplace Theatre, *Rocky III*, 7 and 9 p.m., 11 Kern. Also Nov. 7.

Artists Series, Prague Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Saturday, Nov. 6
Sports: football vs. North Carolina St., 1 p.m.

France-Cinema, *Malle, My Dinner with Andre*, 7 and 9 p.m., 112 Kern. Also Nov. 8.

Sunday, Nov. 7
Shaver's Creek Environmental Center, Holiday Card Making, 2-5 p.m. Registration, 238-5872.

Week of Nov. 8

Monday, Nov. 8
T.V. Quarterback, noon, Kern Lobby.

Tuesday, Nov. 9
Shaver's Creek Environmental Center, Docent Enrichment Series, 9 a.m.-noon.
Registration: 238-5872.

Museum of Art, gallery talk, 10:30 a.m. Robert M. Doty, *The Currier Gallery of Art*, on "The Tradition of Documentary Photography in America."

Life on Earth Series, *The Rise of the Mammals*, noon, Kern Lobby.

University Senate meeting, 1:10 p.m., 112 Kern.

Wednesday, Nov. 10
Commons Concert, noon, Kern Lobby.

Thursday, Nov. 11
Penn State Game of the Week, noon, Kern Lobby.

Kern Classics, *Regtime*, 7 and 9 p.m., 112 Kern.

Friday, Nov. 12
Artists Series, Smithsonian Jazz Repertory Ensemble, for young audiences, 11 a.m., Schwab.

Commonplace Theatre, *Regtime*, 7 and 9 p.m., 112 Kern. Also Nov. 14.

Artists Series, Smithsonian Jazz Repertory Ensemble, 8:30 p.m., Schwab.

Saturday, Nov. 13
France-Cinema, *Bozzetto, Allegro non Troppo*, 7 and 9 p.m., 112 Kern. Also Nov. 15.

Sunday, Nov. 14
Shaver's Creek Environmental Center, Pods, Prickles and Parachutes Walk, 2-4 p.m., Stone Valley.

Week of Nov. 15

Monday, Nov. 15
Fall Term classes end, 9:55 p.m.

Last day for signing Fall Term Emergency Loans, 108 Shields Bldg.

T.V. Quarterback, noon, Kern Lobby.

Tuesday, Nov. 16
Life on Earth Series, *Theme & Variations*, noon, Kern Lobby.

Thursday, Nov. 18
Penn State Game of the Week, noon, Kern Lobby.

Friday, Nov. 19
Shaver's Creek Environmental Center, Ecotour, Baltimore National Aquarium, 6:45 a.m.-8 p.m. Registration: 238-5872.

Week of Nov. 22

Monday, Nov. 22
Fixed date for meetings involving Commonwealth Campus faculty.

T.V. Quarterback, noon, Kern Lobby.

Tuesday, Nov. 23
Fixed date for meetings involving Commonwealth Campus faculty.

Thursday, Nov. 25
Thanksgiving Day, University offices closed.

Friday, Nov. 26
Sports: football vs. Pittsburgh, 1 p.m.

Saturday, Nov. 27
Fall Term Commencement, 10:30 a.m., Rec Hall.

Week of Nov. 29

Monday, Nov. 29
T.V. Quarterback, noon, Kern Lobby.

Tuesday, Nov. 30
Life on Earth Series, *The Hunters and The Hunted*, noon, Kern Lobby.

Exhibits

Chambers Gallery
Soon Ok Hahn, ceramics, through Oct. 4.
Harriet Rosenberg, installation piece, Nov. 10-Dec. 15.

Kern Gallery
Gallery hours: Monday through Saturday, 8 a.m.-11 p.m.; Sunday, noon-11 p.m.

Print Exhibition and Sale, through Sept. 10.

Fritz Jerry Hovanec, glass, through Sept. 30.

Kern Simmons, photography, Sept. 13-Oct. 11.

Betty Ayers, prints, Oct. 14-28.

Mary Jane Helme, ceramics, Oct. 25-Nov. 19.

Roy Fender, ceramics, Oct. 25-Nov. 19.

Vincent Carducci, watercolor, Nov. 1-20.

Museum of Art
Museum hours: 11 a.m.-4:30 p.m. Closed Mondays. Museum Tours, Sundays, 1:30 p.m.

Central Pennsylvania Festival of the Arts Juried Crafts, through Sept. 12.

European Works from the Museum's Collection, through Oct. 3.

The England of William Penn, 1644-1718, through Oct. 31.

Selections from the Museum's Collection, Sept. 19-Oct. 31.

Working People: Photographs by Milton Rogovin, Oct. 10-Nov. 28.

A Decade of Collecting: A Survey of the Museum's Collection, Nov. 14-Dec. 22.

Pattee Library
East Corridor Gallery

University Graphic Services Collection by the Staff, Sept. 23-Oct. 14.

Tom Hubben and Barb Dewilde, paintings, Oct. 14-Nov. 14.

Lending Service Lobby
Richard Sudroff, photos, through Sept. 28.

Kathryn M. Levonas, drawings of John Lennon, Sept. 28-Oct. 21.

Mary Pat Ford, photos, Oct. 22-Nov. 11.

West Pattee Lobby

Celeste Fernandez, photographs, Sept. 10-Oct. 14.

1. Bruce Oglesby, paintings, through Sept. 23.

Rare Books Room

World's Fairs, Sept. 15-Oct. 15.

"8 Traven"?' An exhibit in honor of the Traven Conference, Oct. 20-Nov. 20.

Visual Arts Bldg. Zoller Gallery
Gallery Hours: 9 a.m.-5 p.m., Monday through Friday. Saturdays and Sundays, 1-5 p.m.

Juried print show, through Sept. 26.

School of Visual Arts faculty exhibition, Oct. 1-24.

Bruce Davidson, photos, Oct. 27-Nov. 24.

Penn Staters

Dr. Robert A. Aber, associate professor of medicine and chief of the Division of Infectious Disease at the Hershey Medical Center, has been named by Governor Thornburgh to the 15-member Vietnam Herbicide Information Committee that will serve as "the focal point in our state's effort to help Pennsylvania veterans who are suffering adverse health effects from possible exposure to Agent Orange and other toxic defoliants."

Dr. W. Dale Brownawell, professor of mathematics, served as visiting professor of mathematics at the University of Paris VI. While there he conducted research and presented lectures at the Institut Henri Poincaré, Paris, on algebraic independence.

He gave invited talks at the Centre International de Rencontres Mathématiques in Luminy, France, on zero estimates for analytic functions and on the factorization of differential equations. He also spoke in the Mathematisch Instituut, Leiden, the Netherlands, and the Mathematisches Institut, Wuppertal, West Germany, on p-adic zeros of forms.

Dr. Moses H.W. Chan, assistant professor of physics, gave invited lectures and seminars at Nankai University in Tianjin, Nanjing University in Nanjing, Fudan University in Shanghai and Zhongshan (Sun Yatsen) University in Canton, China. His three week visit in China in May and June was sponsored by these Universities and the Chinese Ministry of Education.

Dr. Chan spent the rest of the summer at the Institute for Solid State Physics, University of Tokyo, as visiting professor of physics under the sponsorship of the Japan Society for the Promotion of Science.

Dr. Parris Chang, professor of political science, visited India during August to deliver a series of lectures on American foreign policy toward Asia, and on U.S.-China relations at the following universities: Delhi University and Jawaharlal Nehru University, Delhi; University of Kashmir Srinagar; the American Center, Bombay; University of Poona, in Poona; University of Madras, in Madras; and the American University Center and University of Calcutta, in Calcutta. He also presented a paper on "The Evolution of the Chinese Communist Party since 1949" on Aug. 23 to an international conference on China in Saarbrücken, Germany.

Dr. Leslie E. Cross, associate director of the Materials Research Laboratory and professor of electrical engineering, was the United States co-chairman of a U.S.-Japan Seminar on Electromagnetics held in Tokyo. While in Japan, Dr. Cross also lectured and advised on research topics at the Japan National Defense Academy.

Dr. Richard L. Frautschi, head of the French Department, served as visiting research fellow in the School of Modern Languages at Macquarie University, New South Wales. In collaboration with Professors Angus Martin of Macquarie University and Vienne Mylne of the University of Kent, he is preparing a supplement to a bibliography of 18th Century French prose fiction which was originally published in 1977. During his visit to Australia Dr. Frautschi also lectured at the following universities: Sydney, New South Wales, Wollangong, Monash, and Adelaide.

Three faculty members have been cited for their years of service as visiting officers

for the Commonwealth of Pennsylvania. They are **Dr. Joseph French**, professor of special education and educational psychology; **Dr. Leon Gotlow**, professor of psychology; and **Dr. Thomas Marro**, assistant professor of special education.

Hearing officers are appointed by the secretary of education. In cases of dispute, they determine whether appropriate programs were provided to exceptional children by school districts.

Dr. Emily R. Grosholz, assistant professor of philosophy, delivered a paper entitled "Leibniz's Unification of Geometry with Algebra and Dynamics," at a symposium of the Leibniz-Gesellschaft: Conference on Leibniz's Dynamics in Loccum, West Germany. Dr. Grosholz also has received a study grant from the American Council of Learned Societies to study classical physics from September, 1982, through February, 1983.

"The Pennsylvania Nurse," official publication of the Pennsylvania Nurses Association, has received a first-place award from the American Journal of Nursing Company for "Best Feature Article by an ANA Member." The article, written by Judith M. Klinefelter, instructor in nursing, and Grace E. Laubach, associate professor of nursing, was entitled "Who Determines YOUR Nursing Practice? — The Certification Question."

Dr. Robert F. Lima, professor of Spanish and comparative literature, has been elected to a four-year term on the Pennsylvania Humanities Council which funds and fosters humanities programming for the public in the

Commonwealth. Dr. Lima is currently serving as one of the Council's Invitational Humanists, specializing in the drama of Lorca, Valle-Inclán and others, as well as in readings of his own poetry.

Dr. Vernon H. Neubert, professor of engineering mechanics, has been named a Fellow of the American Society of Mechanical Engineers. The grade of Fellow is conferred upon a member who has had at least ten years of active engineering practice and who has made significant contributions to the engineering profession.

Janice V. Pierce, assistant director of social services at the Hershey Medical Center, has been elected to the national board of directors of the 90,000-member National Association of Social Workers.

Herman R. Purdy, professor emeritus of animal science, has been named to the American Polled Hereford Association's (APHA) Hall of Merit for his outstanding contributions in the field of youth work. He was one of four individuals honored by the APHA for their work in the areas of education and research, public affairs, communications and youth activities.

Dr. Elliott Vesell, professor and chairman of pharmacology at the Hershey Medical Center, has been selected by the Federation of American Societies for Experimental Biology and the Burroughs Wellcome Fund as one of 18 recipients of the Wellcome Visiting Professorship in the Basic Medical Sciences for the 1982-83 academic year. Columbia University and the College of Physicians and Surgeons will host Dr. Vesell for the pharmacology discipline.

Appointments

Dr. Anne C. Petersen has been named head of the Individual and Family Studies Program in the College of Human Development.

Dr. Petersen was director of the Laboratory for the Study of Adolescence in the Institute for Psychiatric and Psychosomatic Research and Training at the Michael Reese Hospital and Medical Center at the University of Chicago.

She also was associate professor in the Department of Psychiatry at the University of Chicago and served as associate director of the Health Program for The MacArthur Foundation.

A native of Little Falls, Minn., Dr. Petersen holds three degrees from the University of Chicago. She earned her bachelor of arts degree in mathematics, her master of science degree in statistics, and the doctor of philosophy in measurement, evaluation and statistical analysis.

Dr. Petersen's major research interests have been directed toward problems of adolescence. Currently, she is heading a developmental study of adolescent mental health that is funded by the National Institute for Mental Health.

Dr. John J. Henry, professor of mechanical engineering, has been appointed acting director of the Pennsylvania Transportation Institute.

The Institute is an intercollege research program administered by the Office of the Vice President for Research and Graduate Studies. In 1980-81, \$2.8 million was received for sponsored research conducted by 30 graduate students and 40 faculty from six colleges. Some emphases are pavement and tire research, bridge evaluation and rehabilitation, coal transportation, mass transit, and traffic engineering.

Since coming to Penn State in 1971, Dr. Henry has been engaged in research on tire-pavement interactions, and has achieved an international reputation for his work on pavement skid resistance. He received his undergraduate and graduate degrees at the Massachusetts Institute of Technology, earning the S.C.D. in 1964. Before joining the Penn State faculty, he worked at Prismo Universal, where he was director of research, at Dynatech Corporation, and at General Electric. He held a postdoctoral fellowship at the Norwegian Institute of Technology, Trondheim.

Dr. Robert W. Carrubba has been named coordinator of the Fulbright faculty and student exchange programs at the University. Dr. Benjamin F. Howell Jr. had that responsibility prior to his retirement earlier this year.

Dr. Carrubba is professor of classics, associate dean of the Graduate School and assistant to the vice president for research and graduate studies. He has been a

member of the University faculty since 1969.

Dr. Richard L. McCarl, professor of biochemistry, has joined the Graduate School on a part-time basis as associate dean for fellowships and awards.

Kevin J.H. Berland as assistant professor of English at Shenango Valley, Lecturer, McMaster U. (Ontario, Canada).

Karen A. Gottlieb as assistant professor of anthropology at Penna. Park B.S., U. of Wisconsin; M.A., Ph.D., U. of Colorado. Research fellow, U. of Colorado Medical School.

Joy M. Greco as coordinator of public information at Behrend. Morning news anchor and producer, WJET Radio.

Robert A. Ralston as assistant professor of chemistry at Allentown. B.S., Southern Illinois U.; Ph.D., U. of Tennessee. Assistant professor/lecturer, Rutgers U.

Promotions

Staff Exempt

John E. Booth to programmer analyst B in Management Engineering.

Susan W. Breslin to coordinator, Hospital Marketing at Hershey.

James R. Klahr as assistant director of Physical Plant-Maintenance at Hershey.

Staff Non-Exempt

Jane M. Ebersole to senior staff nurse at Hershey.

Anne M. Rannels to research technician at Hershey.

Clerical

Loida Muniz to clerk A, Lending Services in Libraries.

Mildred E. Witherite to clerk A in Commonwealth Educational System.

Technical Service

Dennison G. Hansell to maintenance worker general B at Hershey.

Jessie E. Horner to baker-utility in Housing and Food Services.

Thomas M. Monsell to vending machine servicer in Housing and Food Services.

Jeffrey L. Richner to dining hall worker A in Housing and Food Services.

Esther A. Schreffler to food preparer B in Housing and Food Services.

Robert E. Weber to vending machine servicer in Housing and Food Services.

Partings

William J. Bodenshatz, painter in Physical Plant, from Aug. 8, 1972, to Sept. 4.

Leslie P. Bullock, associate professor/senior research associate at Hershey, from June 1, 1970, to Sept. 1.

Charles K. Farwell, foreman-Airport Operations in Business Services, from Nov. 1, 1963, to Sept. 1.

Gilbert E. Hutchinson, assistant professor at DuBois, from Sept. 1, 1972, to Sept. 1.

Patricia D. Kelly, college health nurse at Wilkes-Barre, from Sept. 1, 1963, to Sept. 1.

Carl I. Thompson, associate professor at Hershey, from Aug. 1, 1967, to Sept. 1.

F. Austen Seward, assistant director of Physical Plant-Utilities and Energy at Hershey, from Nov. 17, 1969, to Aug. 21.

Wallace R. Bell, assistant professor at Scranton, from Sept. 1, 1968, to July 1.

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William E. Campbell, Jr., Editor
Calendar Editor — 865-2501

Obituaries

Lloyd E. Adams, professor emeritus of entomology extension, died Sept. 2 at the age of 67.

He joined the University faculty in 1949 as assistant professor of entomology extension. In 1960, he was promoted to associate professor. He received his bachelor of science degree in agriculture and his master of arts degree in entomology from the University of Missouri.

From 1946 to 1949, he was the state entomologist in charge of the Division of Nursery and Greenhouse Inspections and State Quarantine at the Missouri State Department of Agriculture. He was research associate entomologist there in 1941.

While at Penn State, Professor Adams introduced numerous insect control chemicals on fruit, vegetables, grapes and other food crops. He retired in 1976 after 26 years of service.

Dr. Haskell Brooks Curry, Evan Pugh research professor emeritus of mathematics, died Sept. 1. He was 81.

Dr. Curry, a well-known mathematician who specialized in the areas of applied mathematics and symbolic logic, joined the Department of Mathematics as an assistant professor in 1929. He retired with emeritus rank in 1966.

While on the faculty, he developed the beginnings of what has become known as combinatorial logic — an important development in modern mathematical logic.

In 1960, he was one of the first two professors named by the Penn State Board of Trustees as Evan Pugh Professors. The professors honor Dr. Evan Pugh, the first president of the University, and recognize outstanding research done by faculty members.

Penn State's College of Science Alumni Society awarded Dr. Curry its Distinguished Service Award in 1981 for

his leadership, teaching and service to the University and community.

Dr. Curry received his bachelor's and master's degrees from Harvard University. He received his doctorate in mathematics from the University of Göttingen, Germany. He also studied electrical engineering at Massachusetts Institute of Technology.

Dr. Arthur Henry Waynick, 76, retired head of the Department of Electrical Engineering, director and founder of The Ionosphere Research Laboratory and an A. Robert Noll Professor, died Aug. 31.

Dr. Waynick joined the University faculty in 1945 and retired with emeritus rank in 1971. He was the first professor to hold the A. Robert Noll Distinguished Chair in electrical engineering, established in 1969. The award honors the late Mr. Noll, a 1929 alumnus of Penn State.

Dr. Waynick worked in the area of communication engineering and won distinction in the field of the ionosphere, the region above the Earth's atmosphere which is responsible for conducting or

hindering long-distance radio communications.

He worked for 12 years as a radio-engineer in Detroit before receiving his bachelor of science degree in physics from Wayne State University in 1935. He earned a master of science degree at Wayne State in 1936. His doctor of science in communications engineering degree was conferred by Harvard University in 1943.

Dr. Waynick was named head of the Department of Electrical Engineering in 1948, and during 1958-59, he served as program director in engineering science for the National Science Foundation. From 1972 to 1974, he was liaison scientist for the Office of Naval Research, London.

William J. Carson, plumber, plumber foreman, and building inspector in Physical Plant from Aug. 15, 1950, until his retirement Aug. 1, 1975, died Aug. 19. He was 69.

Kathryn O'Connor, secretary in Engineering and the Library from Sept. 16, 1942, until her retirement July 1, 1958, died Aug. 27. She was 89.

PAPERBACKS

IT RELEASES & REACHES



President Oswald was the principal speaker at the official dedication of the Penn State Bookstore on the University Park Campus. Seated are John S. Bischoff, left, director of University Bookstores, and George Piper, president of Creative Design Concepts, of Franklin, Mass., which designed the facility. The bookstore, located in the former Terrace Room of the Hotel Union Bldg., offers a full line of textbooks, supplies and Penn State memorabilia.

Quartet to give concert

The Alard Quartet will open its 20th anniversary season at the University at 8:30 p.m. Sept. 22 in the Music Bldg. recital hall.

The concert will feature the Haydn in F Major, opus 74, No. 2 by Joseph Haydn; Quartet No. 14 in F Sharp by Dmitri Shostakovich; and Quartet in D Minor, opus 56, "Voices Intimate" by Jean Sibelius.

The featured Haydn quartet is one of six quartets composed in 1793 and dedicated to Count Apponyi. The composer maintains a balance of emphasis between formal design and emotional expression in the quartets.

Members of the Alard Quartet, all associate professors of music, are Joanne Zagst and Donald Hopkins, violinists;

Raymond Page, violist; and Leonard Feldman, cellist.

The Alard Quartet, which gave its first concert at the University in September, 1962, spent a nine-week residency and performed 16 concerts at the University of Canterbury in New Zealand this summer. It was the quartet's second residency at Canterbury.

The string quartet's plans for this season include seven concerts at the University, solo appearances with the Denver Symphony, the group's first performances in Canada and recording for Orion, CRI and Leonarda recording companies.

The first concert on the Alard Quartet's 20th anniversary is sponsored by the School of Music and is free and open to the public. The next concert in the recital hall will be on Oct. 18.

Museum opens major exhibit

A one-of-a-kind exhibition celebrating the tercentenary of William Penn's first landing in Pennsylvania opened this week at the Museum of Art on the University Park Campus. The show, "The England of William Penn 1644-1718," will be on display through Oct. 31.

More than 100 pieces of fine and decorative art — paintings, drawings, prints, furniture, embroideries, clocks, ceramics, silver and pewter items, armor and guns, sculpture and even a large model of a Dutch warship — have been selected for the exhibition.

Some of the furniture and embroidery pieces are from the Museum's own collection, while other art works and antiques are on loan from the Victoria and Albert Museum, London; The Armouries, Her Majesty's Tower of London; the National Portrait Gallery of London; the Maritime Museum, Greenwich; the Fitzwilliam Museum, Cambridge; and the Ashmolean Museum in Oxford.

Among the American museums represented in the show are the Metropolitan Museum of Art, the Boston Museum of Fine Arts and the Cleveland Museum of Fine Arts. Several Americans also have loaned works from their private collections.

Among the decorative arts chosen for the exhibition are household furnishings such as chairs, tables, china cabinets and clocks and a tall case, or "grandfather," clock.

The Museum of Art is open from 11:30 a.m. to 4:30 p.m. Tuesdays through Sundays. Admission is free.

The Shell Companies Foundation, Inc., has established a fellowship for graduate students in energy-related fields from the United Republic of the Cameroon in West Africa.

The awards will be called Pecten/Shell Companies Foundation Energy fellowships. Pecten International is a subsidiary of Shell Oil.

The new program was announced in New York by Doris O'Connor, senior vice president and director of the Shell Companies Foundation. Ms. O'Connor made her announcement in a meeting with Provost Eddy and Ahmadou Ahidjo, president of Cameroon, who was in the United States for a state visit with President Reagan.

"We congratulate the universities of Yaounde (in Cameroon) and Pennsylvania State on the cooperative agreement under which this and other fellowships will function," she said. "Pecten International, as a participant in the energy sector in Cameroon, is pleased to offer a fellowship in that discipline."

President Ahidjo said he felt "great pleasure" over the growing friendship between Cameroon and the United States through the linkage of the two universities. The agreement with Penn State is the first of its kind to be made by the University of Yaounde with a U.S. university.

Candidates for the fellowships will be nominated by the University of Yaounde, in collaboration with energy authorities of the government of Cameroon.

News in Brief

The Instructional Development

Program will present a series of workshops designed especially for teaching assistants on Sept. 13, 14, 15 and 16. The seminars, scheduled from 7 to 8:30 p.m. in Room 305 Hietzel Union Bldg., will focus on basic instructional areas. On Monday, Sept. 13, the presentation, "Assuming the Teaching Role: Credibility and Control," will include information on the teacher's role and how to deal with difficulties such as cheating and defiance.

"Lecture Presentation Skills" on Tuesday, Sept. 14, will address the advantages and limitations of lecturing and will provide information on techniques such as stimulating and maintaining student interest.

The session scheduled for Wednesday, Sept. 15, will be on "Discussion Techniques" and the final seminar on Thursday, Sept. 16, will cover "Test Construction and Grading."

For more information and reservations, call the Instructional Development Program at 863-2599.

The Institute for the Arts and Humanistic Studies has announced that the deadline for applying for faculty research fellowships, to be awarded Winter and Spring terms 1983, is 5 p.m. Sept. 20. Application data and guidelines are available at Hlseng Cottage. Revised fellowship guidelines for the semester calendar will be distributed in late October.

The libraries at University Park have announced extended hours for the Fall Term, effective Sept. 11. The new hours are:

Pattee Library: Monday-Thursday, 7:45 a.m. to midnight; Friday-Saturday, 7:45 a.m. to 9 p.m.; Sunday, noon to midnight.

Branch Libraries: Monday-Thursday, 7:45 a.m. to midnight; Friday-Saturday, 7:45 a.m. to 9 p.m.; Sunday, noon to 11 p.m.

Pollock Library: Monday-Friday, 9 a.m. to midnight; Saturday, 1 p.m. to midnight; Sunday, noon to midnight.

Audio Visual Services, 26 Willard Bldg., has begun to service and repair microform readers and reader/printers. Information explaining the service has been sent to University departments or offices. Campus units not receiving this information should call 5-5400.

Top highway engineers from more than a dozen states are attending a week-long meeting of the Transportation and Traffic Engineering Executives Program being held at the Keller Conference Center through Sept. 17.

The program is designed to improve the performance of senior executives in the management of transportation and traffic engineering.

Topics include safety techniques in transportation and traffic engineering, the integration of citizen participation in decision-making, strategies for improving organizational effectiveness and managing human resources.



Opening ceremonies at Keystone State Games

Photo: Scott Johnson

Volunteers cited for role at Keystone State Games

With a wistful smile and veiled sigh of relief, Davies Bahr reflected on her role as Penn State chairperson for the first annual Keystone State Games held last month at the University Park Campus.

"Now that it's over and I've had a chance to relax, I could call it a delightful experience. But I know that I've never worked so hard for so long for so many hours. I don't know if I'll ever do it again."

On a mid-August weekend, for which the weatherman cooperated perfectly, the University played host to some 3,000 athletes in the first-ever games, billed as "A Festival of Sports for Pennsylvania's Amateur Athletes." There was some question as to whether Penn State could pull off the event.

One of the difficulties of staging any major event is the lack of sufficient time. The Keystone State Games did not become a reality until March of this year. In fact, some of those involved in the planning at the state level wanted to delay it until next year.

"Before making a report to the Governor's Council on Physical Fitness," Mrs. Bahr noted, "I checked within the University to determine if hosting these Games on short notice was feasible."

"The involvement of the University was fantastic. We had complete cooperation from everyone."

"The University's hosting demonstrated to me that Penn State's commitment to excellence is real. Everyone involved did their best."

The University Park event was the culmination of a summer-long qualifying process throughout the state, with participation in the competition divided among age groups and levels of expertise.

Of the 3,000 participating athletes, some 2,900 stayed in University residence halls. With the exception of a small paid staff, all of those involved in organizing and conducting the Games were volunteers. At University Park, approximately 300 volunteers assisted, and there were some 1,000 additional volunteers throughout the State.

"Obviously, we couldn't have done it without all the fine assistance we received from those volunteers," Mrs. Bahr said. "It's difficult to pinpoint everyone. For example, a group of 20 runners brought the torch from the State Capitol Building in Harrisburg to signal the opening of the Games. Every official, coach, sports chairman, physician, and trainer were volunteers. We were especially proud of the medical aspect of the Games in that we had trainers and physicians in attendance at all events in the 23 sports."

According to Mrs. Bahr, the Games may be moved around the state in the future.

"For next year, however, University Park is the only logical place to have them. I'm not certain whether the University is willing to host the Games again. However, the consensus of opinion from around the state is an overwhelming vote for a repeat performance."

Seminars

Sept. 2-23

Thursday, Sept. 9

Air Pollution Control, 2:20 p.m., 69 Willard. Robert J. Heinsohn, mechanical engineering, on "Summary of Pennsylvania Air Pollution Regulations."

Fuel Science, 4 p.m., 301 Steidle. James Reuther on "Toward a Unified Mechanism for Neat Coal and Coal Slurry Combustion."

Friday, Sept. 10

Nuclear Engineering, 2:20 p.m., 322 Sackett.

Theodore Besman, Oakridge National Laboratory, on "Energy Future."

Analytical/Physical Chemistry, 4 p.m., 55

Osmond. Dae Won Moon on "Angle

Resolved SIMS Studies of Organic

Molecules on Ag (III). Orientation of

Organic Molecules and Mechanism of

Fragmentation."

Tuesday, Sept. 14

Chemistry, 12:45 p.m., 55 Osmond. H.

Varekamp, Albert-Ludwig Universität,

Freiburg, on "Metal Clusters: Some Basic

Research Results."

Wednesday, Sept. 15

Science, 4 p.m., 101 Althouse Lab. Paul K.

Stumpf, Univ. of California, Davis, on

"Plant Cell Compartments and Lipid

Synthesis."

Thursday, Sept. 16

Chemistry, 12:45 p.m., 55 Osmond. Bengt

Manervik, Karolinska Institute, Stockholm,

on "Glutathione Transferase."

Air Pollution Control, 2:20 p.m., 69 Willard

Robert Heinsohn, mechanical engineering,

on "Air Pollution Control Systems."

Fuel Science, 4 p.m., 301 Steidle. Mark Morgan

on "Effect of Exchangeable Cations on

Pyrolysis of Low Rank Coals."

Friday, Sept. 17

Physical Chemistry, 4 p.m., 55 Osmond. Istok

Cader, Univ. of Belgrade, on "On the

Resonant Electron Molecule Scattering and

Some of Its Atmospheric Implications."

Monday, Sept. 20

Science, 4 p.m., 101 Althouse Lab. Michael J.

Simmons, Univ. of Minnesota, on "Hybrid

Dysgenesis in Drosophila."

Tuesday, Sept. 21

Organic/Inorganic, S. Ramesh, 12:45 p.m., 55

Osmond Lab

Thursday, Sept. 23

Chemistry, 12:45 p.m., 55 Osmond. Stephen R.

Leone, Univ. of Colorado and Natl. Bureau

of Standards, on "Laser Studies of Chemical

Reaction Dynamics."

Air Pollution Control, 2:20 p.m., 69 Willard.

James K. Hambright, Bureau of Air Quality

Control, on "Interstate Impact of Air

Pollution."

Fuel Science, 4 p.m., 301 Steidle. Madhukar

Rao on "Possibilities of Oxygen Isotopic

Exchange in CO₂ to Characterize Active

Sites."

English, 8 p.m., 101 Kern. Father Walter J. Ong

on "Writing Reconstructs Consciousness."

Gallery talk

Duncan Robinson, director of the Yale

University Center for British Art, will

present a gallery talk entitled "Painting of

Stuart England" at 10:30 a.m. Tuesday,

Sept. 14, in the Museum of Art.

Mr. Robinson's talk is being given in

conjunction with the exhibition "The

England of William Penn 1644-1718,"

which opened at the Museum Sept. 8 and

continues through Oct. 31.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Sept. 20, 1982. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (FES-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

● Assistant Accountant, Controller's Office, University Park — Responsible to the director of Accounting Operations for assistance in a wide variety of duties, working toward the overall goal of obtaining well rounded accounting experience in all areas within the Office of the Controller. Bachelor's degree or equivalent, preferably in accounting or related field and nine to twelve months of effective experience

● Assistant Director of Student Activities, Office of Student Affairs, University Park — Responsible to the director of Student Activities for the development, implementation and execution of programs. Assist the director with other administrative functions as they relate to registered student organizations. Master's degree in student personnel administration or equivalent educational background, plus two to three years of effective experience in student personnel work. Professional experience in the area of fraternity/sorority administration is preferred. Experience in student activities programming and leadership development is desired.

● Supervisor, Medical Records, M.S. Hershey Medical Center, Elizabethtown Hospital — Responsible for supervision of departmental clerical staff and directing the efficient operation and management of medical records. Bachelor's degree (or equivalent) in medical records administration with registration, or registration eligible, as a medical records administrator, plus up to one year effective experience.

● Applications Programmer, Intercollegiate Research Programs, University Park — Support computer programs and research data bases provided to Computer Center users. Design and write computer programs. Install, maintain, and document programs and data bases. B.S. degree in computer science or related field plus six to nine months of effective experience.

Fall art classes to begin

Registration is now being accepted for the Saturday Morning Art School classes at the University.

Among the courses taught by art education majors this fall is one entitled "Creative Arts for the Young" for children 5 to 7 years old. In this course, art teachers and aides will offer a variety of activities to encourage perception, self-

expression and sensitivity to environment.

Tuition for all courses is minimal and registrations are accommodated on a first-come-first-serve basis. For information, call Kristi Rehm, art education secretary, 865-5601, between 9 a.m. and 4:30 p.m. All classes begin on Saturday, Sept. 18, and continue each week thereafter from 9 to 11 a.m. until Saturday, Nov. 6.

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Cancer researchers use computers to study genes

When cancer strikes, the victim often asks, "Why me?"

Cancer researchers, too, would like to know why this disease seems to single out some and leave others untouched.

Now, researchers are seeking the answer in the most basic units of individuality, the genes, those twines of DNA that contain the directions that make you what you are.

Dr. David I. Shalloway, assistant professor of molecular biology in the College of Science, is one such researcher. Before joining the University in January, he was a research fellow at the Sidney Farber Cancer Institute at Harvard University Medical School. While there, he and others isolated an oncogene or gene found in normal people which, when modified, can cause cancer. The group also isolated the control signals that turn the gene on and off.

Dr. Shalloway explains that over the past five years, scientists have discovered a number of cellular oncogenes. "It is knowledge of these genes," he says, "that has given a point to start studying the molecular basis of cancer."

The gene the team isolated and the one Dr. Shalloway is still studying at Penn

State is the src (pronounced "sark" to rhyme with quark) gene which is a normal gene found in all animal cells. If the src gene is modified slightly and incorporated into a virus, it can cause cancer and is designated v-src (for viral src) by researchers. V-src is present in the Rous sarcoma virus, the most extensively studied of the cancer causing viruses.

Dr. Shalloway says v-src differs from src in two major ways. "The oncogene causes the cell to make protein in hundred times larger amounts than the normal gene and the protein that it makes is different."

Currently Dr. Shalloway is trying to find out which factor is more important in the cancer inducing process — the amount of protein or the type it produces.

To do this, he and his students have been trying to get a normal cell with normal genes to make lots of normal protein so that they could look solely at the effects of quantity. In order to do this the team uses gene splicing or cloning techniques more properly known as recombinant DNA technology. They clone (or copy) the normal gene and recombine it with control signals from other sources so that they can control the amount of protein the cell makes.



Dr. Shalloway and Balanson at the IBM computer

By reintroducing the recombinant genes into normal cells, Dr. Shalloway can see if they cause transformation to cancerous growth. The research program is supported by grants from the National Cancer Institute.

Although this technology involves the manipulation of living things, computers

play a large role in processing the research data. Recently, International Business Machine (IBM) Corp. gave an IBM Personal Computer and software to the Department of Biochemistry, Microbiology, Molecular and Cell Biology in Dr. Shalloway's name.

(continued on page 3)

President Oswald is honored

President Oswald received the "Sheepskin Award" of the Pennsylvania Association of Colleges and Universities (PACU) at its annual banquet Monday, Sept. 20, at the Hotel Hershey.

Dr. Oswald's award reads: "Today's spirit of unity among all of Pennsylvania higher education, expressed through PACU, is a tribute to your foresight and wise leadership."

The Sheepskin Award also was presented to Dr. Clarence Moll, chancellor and former president of Widener University.

"PACU is recognizing two distinguished

leaders who have brought the diverse segments of Pennsylvania higher education together and stimulated cooperation," James A. Ream, PACU president, said.

"That's no small accomplishment," Mr. Ream added. "In most states the private and public sectors of higher education compete with each other. In Pennsylvania, thanks largely to Dr. Oswald and Dr. Moll and the presidential leadership they typify, the public and private colleges and universities work as a united front to benefit all institutions."

(continued on page 3)

United Way gets endorsement

United Way provides a unique opportunity for University employees to help their neighbors in 22 different locations in Pennsylvania.

Last year, University employees at all locations gave a record \$190,000 to United Way member agencies.

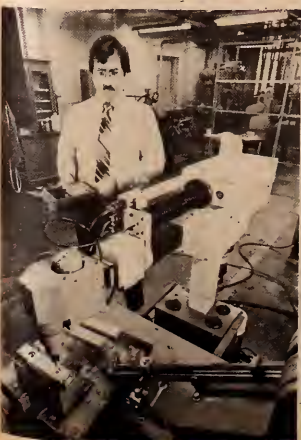
President Oswald recently endorsed United Way as the University's only charitable fund raising effort for which payroll deductions are made.

In making the announcement, Dr. Oswald said, "I'm pleased to announce the University's official

endorsement of United Way for the 11th consecutive year.

"United Way is so much an American idea that it has reinforced my optimism in our great country. As the prime employer in many communities, the University can substantially support community agencies by supporting United Way."

United Way campaigns are conducted each fall at all campuses in conjunction with local United Way offices.



Dr. Paul Cohen with industrial robot

Robots examined at seminar

Until recently, robots were pictured mostly in grade B movies scaring the wits out of grade B actors.

But now industrial robots with numerically controlled machining cells are being used in increasing numbers in automated factory systems.

"There is no stopping them," said Dr. Paul Cohen, assistant professor of industrial engineering. "When you look at the competition we're getting from the rest of the world, especially Japan, we just have to keep up. Robots are inevitable."

More than 100 persons from industry, business, government and educational institutions got a close-up look at some of these robots at a one-day special seminar at the University Park Campus on Tuesday, Sept. 21.

Dr. Inyong Ham, professor of industrial engineering, was chairman of the conference which featured robots donated to the College of Engineering by the Fanuc Company of Japan. Keynote speaker was Eric Mittelstadt, president and chief executive officer of GM/Fanuc Robotics Corporation of Detroit.

Currently there are about 5,000 robots in the United States used primarily in the auto industry in welding and painting where they are increasing quality and productivity. Japan has about 15,000 robots.

"When people think of robots, they think of R2D2," Dr. Allen L. Soyster, head of the Department of

Industrial and Management Systems Engineering, said. "They just don't look like that."

Dr. Soyster said that "robots represent only one component" in a system which will bring substantial changes in the American work life in the future. Combined with computers and other advances, robots will represent the cutting edge of the technological future.

Dr. Cohen, who helped set up the robots for the seminar, says that robots have an appetite for continuous work. "They can just keep producing even after the lights go out and people go home."

He believes that the robots now being used in Detroit are just the testing ground in this country for bigger things to come. "There will be a whole variety of industries using robots in the next 15 to 20 years. Anything that is unpleasant to do, robots will do. These are usually the three 'H' jobs — hot, hazardous or heavy."

"There will also be medical applications for robots in terms of helping the disabled perform tasks they couldn't otherwise perform."

Several other Japanese officials, including the senior development engineer and the quality control officer of Fanuc, spoke at the seminar, a Continuing Education service of the College of Engineering.

From the Trustee Docket

New scholarships

Establishment of a number of scholarships, fellowships and funds have been reported to the Board of Trustees. They include:

The Gettig Scholarship Endowment Fund will assist children of Gettig Technologies, Inc., employees who are enrolled at the University.

The Spring Mills firm established the fund for present or prospective Penn State students in industry-oriented majors in agriculture, business administration, engineering or science.

The Hans A. Panofsky Scholarship will give financial aid to superior students in meteorology. Colleagues, friends and former students of Dr. Panofsky have donated the initial principal for the scholarship. Undergraduate students in meteorology who have shown superior academic ability and need financial help to complete their studies are eligible.

The Charles and Lillian Binder Faculty Fellowship in Business Administration provides supplementary research and public service funds to an outstanding faculty member in business administration.

The initial principal for the fellowship was received as a bequest from the estate of the late Lillian E. Binder, widow of Charles Binder, a 1912 Penn State graduate in engineering. The Binders established a scholarship program at Penn State in 1964, and later provided for several other programs, including the Charles and Lillian Binder Foreign Studies Grant-in-Aid Fund. In all, Penn State students have received awards totaling more than \$130,000 from the Binder scholarship programs.

As "Professor of Business Administration and the Charles and Lillian Binder Faculty Fellow," the recipient will be appointed for no less than one year by the president of the University from recommendations of the dean of the College of Business Administration.

The James R. and Barbara R. Palmer Fellowship in Electrical Engineering will

assist outstanding graduate students in that field.

The initial principal for the fellowship was donated by Mr. and Mrs. Palmer of State College. Long-time supporters of the University, they are members of Penn State's Mount Nittany Society and Presidential Associates. Mr. Palmer is president of C-Cor Electronics of State College.

The Robert Stefanek Memorial Scholarship recognizes outstanding students majoring in mining.

The scholarship fund was created by friends, colleagues and former students of the late Dr. Stefanek. A professor of mining engineering and associate dean in the College of Earth and Mineral Sciences, he served on the Penn State faculty from 1957 until his death in 1981.

The Marie E. Gentile Scholarship will assist qualified students who seek certification as paralegals.

The initial principal for the scholarship has been presented to the University by friends and business associates of the late Ms. Gentile from the law firm of White and Williams in Philadelphia. Ms. Gentile lived in Upper Darby until her death in 1981. A 1978 graduate of Penn State's paralegal program, she progressed from secretary to paralegal and assistant office manager in the law firm.

The Oliver C. Gilbert Scholarship will help outstanding students in mechanical engineering or chemistry.

The principal for the fund was received as a bequest from the estate of the late Katherine K. Gilbert of Chicago, in honor of Oliver C. Gilbert.

Primary consideration will be given to students in the Penn State Scholars Program, through which outstanding high school students are invited to visit the University each year.

A Graduate Student Loan Fund will provide short-term loans to graduate students in the College of Medicine at The Milton S. Hershey Medical Center.

Financed by an anonymous gift, the fund will lend up to \$300 to any master's or doctoral degree student of the College. If funds are available, loans also will be made to medical students at Hershey.

New degree majors

Four new baccalaureate degree majors, and one new associate degree major, will be offered at the University next year.

"The new majors will be offered for the first time when the University makes its switch from a term to a semester calendar in the fall of 1983," Dr. Robert E. Dunham, vice president for undergraduate studies, told Trustees.

The baccalaureate (four-year) degree majors are: fuel science, environmental science and engineering, energy science and engineering and energy and environmental technology. All but the fuel science major will be offered only at Penn State's Behrend College in Erie.

The associate (two-year) degree major is dietetic food systems management.

All of the new baccalaureate degree majors will lead to bachelor of science degrees. The fuel science program, which will be offered by the College of Earth and Mineral Sciences, will focus on fossil and non-fossil, conventional and alternative, natural and synthetic fuels, with special emphasis on domestic coal.

It will prepare students to help in the search for reliable — and environmentally safe — sources of fuel for the future.

"It will be one of only about half a dozen undergraduate programs in fuel

science in the world," Dr. Dunham said.

He noted that Penn State already has a graduate program in fuel science. The undergraduate major, he said, will help to strengthen that program.

He also said Penn State offered an undergraduate major in fuel science several years ago and that some facilities used then will be available — in updated form — now. No additional University funds will be needed to make the new major available, Dr. Dunham said.

Funding for the three new programs to be offered at the Behrend College will come from private gifts to that campus and from Behrend's five-year planning and budget program.

The two-year dietetic foods systems management program, leading to an associate degree, will prepare students for middle management dietetic technician positions in hospitals or other large food service operations. Candidates for admission must be employed at least 15 hours a week in a health care facility food service operation with supervision by a registered dietician.

Graduates will be eligible for technician membership in the American Dietetic Association and may go on to earn a baccalaureate degree in the hotel, restaurant and institutional management major at Penn State.

Sketch plans OK'd

The Board of Trustees has approved sketch plans for a proposed academic activities building at the University Park Campus.

Submitted by the Pittsburgh architectural firm of Williams, Trebilcock and Whitehead, the plans call for a multi-level building of about 43,000 square feet to be built on a site at the corner of Bigler and Hastings roads.

"Occupancy of the building will be shared by four University units — the University Libraries, the Theatre Arts Production Studio, the Combustion Laboratory and the Mine Electrical Laboratory," said George R. Lovette, assistant vice president for business.

"Both laboratories are part of the College of Earth and Mineral Sciences.

"The academic activities building will pull together facilities that are housed in rental space off campus or in structures that have reached the end of their useful life.

"It is hoped that this building, which has four modules performing different functions, can be assigned to serve new functions in the future if the need arises.

"Universities, including Penn State, have been most effective in reallocating operating monies. This is an early effort to carry this approach over to the reallocation of space."

It is expected that final plans will be ready for Trustee approval by the Spring of 1983.

Bayard award created

Dr. Stanley F. Paulson, dean of the College of the Liberal Arts, has authorized creation of the Samuel P. Bayard Award for students in the Comparative Literature Program.

The award recognizes the continuing contributions of Samuel P. Bayard, professor emeritus of English and comparative literature, who despite his "retirement," teaches two courses each year and works on individual projects with students.

"Sam Bayard is a rare presence, a personality rich in humor and

old-fashioned graces and considerations," Dean Paulson said. "For over four decades students have benefited from his scholarship and from an exposure to a truly learned man."

An internationally known scholar, Professor Bayard was a pioneer in collecting folk songs. He began Penn State's Folklore Program almost single-handedly and has been a mainstay of the Comparative Literature Program from its beginnings.

"Both in these areas and as an active member of the Department of English,"

Dean Paulson added, "he has given advice, support, and inspiration to others who believe that the culture of the people is civilization itself."

The scholarship fund will be used for awards to outstanding undergraduate or graduate students in the Comparative Literature Program. Persons wishing to contribute should send a check or money order made out to The Pennsylvania State University, marked for the Samuel P. Bayard Award Fund, Office of Gifts and Endowments, 100 Old Main, University Park, Pa. 16802.

Professor develops

is accessible at any one of the Computation Center's 190 Teleray terminals located throughout campus, or from any of the more than 500 privately owned terminals located in various departments on campus, Mr. Verity says.

"Anyone who has reason to create a manuscript and make it look nice needs to learn about typesetting and typographic design," Prof. Kinser says. "Once you learn how to use the University's Interact and Script computer languages, you can, in effect, become your own publisher."

Although the self-teaching program concentrates on practicing the computer commands on one paragraph of copy, there are no limitations on the length of copy that can be written and typeset on terminals. Books can, and have been written on terminals, and typesetting instructions can be added to make the copy ready for printing. With a user number and IDT account with Printing Services, anyone at the University can set type.

(continued from page 8)

"You become the typesetter," Prof. Kinser says. "This eliminates the cost of hiring someone to keyboard information into the computer."

Successful completion of the Typographics I lesson makes the Computation Center's computer manuals easier to understand, he says. Preceding these manuals is important because they explain how users can write more than a few paragraphs of text.

In the section on design hints, Prof. Kinser's first advice is surprisingly about writing rather than design.

He discusses the principles behind readable, legible copy. He advises: "Write about something your audience finds interesting. Write well and clearly. Be friendly, easy to approach and easy to talk to. Develop a style."

"If you write miserably," he adds, "no amount of handsome typography will force a reader through your text." But

when you combine interesting writing with attractive typography and design, you will be successful in reaching your audience, he says.

"The program took more than a year to create," he adds, "because we were going through Interact and parsing it down to its essentials. We worked on the basis of 'what do you have to do to typeset copy at a terminal, not what do you have to know?'"

Mr. Verity wrote his interface program in 1980, and Prof. Kinser and his associates developed the teaching program during the next two years. Mary Haight, a graduate student in English, and Mitch Harris, a graduate student in computer science cooperated to write the introductory program.

"Writing a computer program for general use is a lot like making a movie; it's a job for a team," Prof. Kinser says. "Mary wrote the instructions, Mitch did the programming and I stood around and encouraged them."

"It's ready for general use now,

although I will revise and improve it as I get suggestions from users. That's one of the advantages of a computer text over a textbook. It's been tested on my students, and they haven't had any trouble with it."

"I hope other universities can use this as a paradigm for their students and faculty because using the computer in this way extends the notion of literacy and helps democratize publishing. All in all, it's a good idea even if it sounds pompous."

A package of visuals, including samples of type and information on the program is available from Prof. Kinser for the price of photocopying the materials.

— by Deborah A. Benedetti

INTERCOM is an internal communications manual published for the faculty and staff of The Pennsylvania State University.

William E. Campbell, Jr., Editor
Calendar Editor — 865-2501

Computer systems project on schedule

The Administrative Information System's computerized systems project is progressing on schedule, to the project manager.

"The AIS Project represents a major commitment by the University," says Gary Schultz. "The cooperation and effort of a large number of individuals is necessary to make the project a success and thus far the enthusiasm and dedication of the Systems Committees and Working Groups has been outstanding."

Since April, 1982, the University has been working with Electronic Data Systems (EDS) of Dallas, Texas, to develop and install a new Student System and design five other central administrative systems — Budget Operations and Planning, Business Services (General Stores and Purchasing), Facilities/Property Inventory, Financial, and Human Resources.

The University has established a System Committee for each of the six systems and Working Groups to focus on specific areas within the system.

"Members of the two groups were chosen to represent major offices that are served by the systems," Mr. Schultz noted. "The charge to the Systems Committees and Working Groups is to work with EDS to develop state-of-the-art systems that will satisfy the common needs of all colleges, departments, and campuses."

The initial task for each of the six systems is to document and review the current system.

"This was completed Sept. 1 for the Student System and currently is in process for the Facilities/Property Inventory, Financial, and Human Resources systems," Mr. Schultz said.

"Work on Budget Operations and

Planning and Business Services is scheduled to begin in March, 1983.

"Following documentation of the current systems, EDS will work with the System Committees and Working Groups to design the new systems, incorporating requirements identified by systems users. The design of the Student System is planned to be completed by December, 1982, with the design of the other five systems to follow."

Anyone with questions or suggestions related to the AIS project should contact Gary Schultz at 863-3645 or these System Committee chairmen: Student System, Robert E. Dunham; Budget Operations and Planning, Loren M. Furtado; Business Services, Ralph E. Zilly; Facilities/Property Inventory, George R. Lovette; Financial, George L. Lane; Human Resources, Raymond T. Fortunato.

Videocassettes are available for use

Six health-related videocassette programs have been received from the University of Pittsburgh for use within the Penn State system as part of the Instructional System Development Services project.

Each year six instructional programs in either video or film format are exchanged among the University of Pittsburgh, Temple University, and Penn State for permanent addition to each school's instructional resources.

For additional information about any of these programs or to schedule previews and arrange for bookings, contact Audio Visual Services at 865-6314.

Obituary

George T. Clark, assistant to the dean of admissions for minority admissions, died Sept. 16. He was 51.

A member of the University staff for 10 years, he had played a major role in recruitment of minority students.

A native of Dayton, Ohio, Mr. Clark served for nine years with the U.S. Air Force and then earned a bachelor's degree in advertising from Ohio University in 1967.

He worked as a salesman for the Shell Oil Company in Scarsdale, N.Y., and was a salesman and marketing assistant for the Sheridan Company in Easton, Pa. He also was director of personal property taxes for Northampton County before joining Penn State as a recruiter of minority and handicapped students in May, 1972.

On Oct. 1, 1979, he was promoted to the position he held at the time of his death. In that post, he was responsible for development of a comprehensive minority enrollment plan for the University.

A fund honoring Mr. Clark is being established through the Office of Gifts and Endowments. It will be called the George T. Clark Fund for Minority Students, and will support the recruitment and enrollment of minority students at Penn State.

Cancer researchers

(continued from page 1)

Dr. Richard Balanson, technical assistant to IBM chief scientist Dr. Lewis Branscomb, brought the computer to campus Sept. 2. "Universities," he said, "can take a great deal of advantage of the power of these types of machines. This gift is just one small way in which IBM can and does support basic University research."

Dr. Shalloway intends to use the computer in his oncogene research program and to share it with students and faculty members of his department and the Cooperative Program in Recombinant DNA Technology.

Among the things the computer will be programmed to help Dr. Shalloway do is DNA sequence analysis or identifying the subunits of a particular piece of DNA. It will also be used to put data in graphic form, to automate the procedure of storing data and for computations on protein structure. Dr. Shalloway says the computer will speed up the work and make it more accurate.

Computers are old friends to Dr. Shalloway who was trained as a physicist.

He earned his bachelor's degree in physics at Massachusetts Institute of Technology in 1969, his master's at Stanford in 1979, and his doctorate at MIT in 1975. He did postdoctoral work from 1975-77 at Cornell University's Laboratory for Nuclear Studies. As a student, his interests were in experimental general relativity, experimental superconductivity, theoretical quantum electrodynamics and quantum field theory.

He says he switched to molecular biology because "I wanted to do something more practical. Theoretical physics may be enjoyable but, as a postdoc in physics, I found that wasn't enough."

Dr. Shalloway's decision also was influenced by the fact that he had had cancer as a child and had been cured. "When I was six years old," he says, "I got what was then called lymphosarcoma. It's now known as non-Hodgkins

lymphoma and is often curable with modern methods. However, at the time, my survival was regarded somewhat as a 'miracle cure'."

When Dr. Shalloway made the switch, he hoped he could use his physics background and work at the interface of biology and physics. "It hasn't worked

out that way, so far, but may in the future."

One of the problems to which Dr. Shalloway will apply the new IBM computer is the study of the tertiary structure of proteins, a problem at the physics-biology interface. "Tertiary structure defines the shape of the protein," he notes. "The way it's folded, coiled and bent. That shape is important because it influences function."

Defining function in terms of molecular structure is one of the major goals of molecular biology. "It's an important problem," Dr. Shalloway adds, "with the potential for a big payoff or equally large frustrations."

— by Barbara Hale

President Oswald

(continued from page 1)

The Sheepskin Award is not an annual prize, Mr. Ream noted. It is given only when PACU's 115 member institutions vote to recognize truly distinguished service to higher education.

In Dr. Oswald's case, it is the first time the award was given to an incumbent college or university president.

News in Brief

The Department of Computer Science will sponsor a Workshop on VLSI (Very Large Scale Integration) Research and Design in an Academic Environment Oct. 7-9 at University Park.

The keynote speaker, Danny Cohen, is project leader of the University of Southern California Information Sciences Institute. He will discuss "The MOSIS Operation" at 9:30 a.m. Oct. 7 in the HUB Assembly Room. This session is free and open to the public.

Other speakers at the workshop include the following computer science faculty members: Dr. Mary Jane Irwin, assistant professor and chairman of the workshop; Dr. Robert M. Owens, assistant professor; Dr. Janos Simon, associate professor; Dr. Don E. Heller, assistant professor; and Dr. Joseph Ja Ja, assistant professor. Invited speakers are Dan Gajski, University of Illinois, and Dan Atkins, University of Michigan.

The workshop was organized to explore the alternatives available to academic researchers in areas such as the development of innovative VLSI computer structures and the specification and verification of computational processes.

Anyone interested in attending the session should call the Department of Computer Science at 865-9505.

The College of Engineering and the Army Reserve Officers' Training Corps will conduct an Army Engineering Symposium on Tuesday, Oct. 4.

Highlighting the day's activities will be an 11 a.m. address by Maj. Gen. Stanley Sheridan, representing the U.S. Army's Office of Research, Development and Acquisition. The address, in Room 112 Kern Graduate Bldg., is open to the public.

Prior to the address, Engineering Dean Wilbur L. Meier Jr., engineering faculty members, and Army representatives will meet in executive session to discuss contributions the College of Engineering can make to Army engineering requirements.

Engineering faculty members also will outline Penn State research activities in several areas, including electro-optics, propulsion and ballistics, and materials manufacturing.

Also attending from the Army will be Dr. Robert Weigle, representing the Department of Army Materials Development and Readiness Control.

The Penn State Chapter of Sigma Xi, the Scientific Research Society, invites all members of Sigma Xi who are affiliated with other chapters to join the Penn State Chapter.

The chapter also reported that Sigma Xi has funds available to graduate students for research. The amount of

the grants vary, and it is not necessary to belong to Sigma Xi to receive a grant.

Information on membership transfer and research grants may be obtained by contacting M.J. Johnson, N245 Burrows Bldg., phone 865-5541.

A two-day conference on helping the cancer patient cope will be held Oct. 4 and 5 at the Keller Conference Center.

Leading the conference will be Dr. Jessie F. Igou, assistant professor of nursing, and her husband, Dr. Van B. Igou, staff psychologist at the Clearfield Jefferson Community Mental Health-Mental Retardation Center. Also speaking will be Dr. Richard H. Dixon, State College oncologist; Frances Guskey, a candidate for the M.S. degree in nursing with a emphasis in community health nursing; and Rev. Allen O. Lumpkin Jr., chaplain at the Geisinger Medical Center, Danville.

Subjects to be discussed include understanding cancer, old and new treatments, the psychological needs of cancer patients and families, strategies to help cancer patients cope with the diagnosis, society's attitude toward cancer, therapeutic responses for patients and families, and the role of the clergy in treatment and in coping.

The Office of Personnel Administration is offering a number of one-day

workshops on inter-group relations.

Dennis W. Keiser, coordinator, said five workshops are being offered in the Fall Term and five more will be available in the Winter and Spring terms.

The workshops are the result of one of the recommendations of the University Committee on Inter-Group Relations and are designed to increase awareness of personal values related to minority groups.

The design of the workshops involves the use of written lecture material, simulation activities, film presentation, small group discussions and role playing. Terrell Jones, assistant director, resident hall programs, is serving as lead instructor. Participants are recommended by their work unit supervisors.

The National Teacher Examinations will be administered at the University this year on the following dates: Oct. 30 — Specialty Area Test Only; Nov. 13 — Core Battery Only; March 5 — Core Battery Only; April 30 — Specialty Area Test Only.

The exam scores are used by some states for certification of teachers and by some school systems in the selection and hiring of teachers. Information about the exams and registration procedures may be obtained in Room 181 Chambers Bldg.

The arts: Roy Dotrice plays Churchill

Roy Dotrice, the British actor, will recreate the legendary British leader Winston Churchill in a new play that is called simply "Churchill."

The play will have its first performance on Saturday, Oct. 2, at 8 p.m. in Eisenhower Auditorium. The performance will be a benefit for University theatre scholarships.

"Churchill" is a one-man show by American playwright Samuel Gallu, who is perhaps best known for his "Give 'em Hell, Harry!", a dramatic portrait of President Harry Truman.

Mr. Gallu is a Penn State alumnus and returns frequently to the campus to visit and work. He, Mr. Dotrice and Frank Hauser, the British director, will rehearse at the University until the Oct. 2 performance, which is being billed as a tryout. The play will have its official premiere at Ford's Theatre in Washington in mid-October.

Mr. Dotrice is a well known figure on the British stage, but is less familiar to American audiences although he has more than a dozen Broadway productions to his credit, including two one-man successes, "Brief Lives," based on scholar John Aubrey, and "Master Lincoln," a portrait of the president.

Mr. Hauser has extensive directing credits in England, Australia and the United States.

Scene and lighting design for "Churchill," which is expected to undertake a national tour after its Washington premiere, is being done by

two Penn State faculty members who are also professional designers.

Anne A. Gibson, professor of theatre arts, will design the show's set, which has been contracted to be built in the Theatre Arts Production Studios. Charles H. Firmin is designing lighting for the show. He is an assistant professor of theatre arts.

Mr. Dotrice's makeup, which is anticipated to be extensive as the spare actor takes on the jowly look of the British leader, is being designed by a West Coast artist, according to Mr. Gallu.



Roy Dotrice

Tickets to the Penn State performance of "Churchill" are on sale at the Eisenhower Auditorium box office. Box office hours are 9 a.m.-4 p.m. Monday through Friday.

"There is a great variety that exists in the baroque," says Jeanne Chénault Porter. "It was an exceptional period. You can find in it whatever you like."

Mrs. Porter, associate professor of art history, will discuss "The Baroque Phenomenon: Searching for a Definition," at 10:30 a.m. Tuesday, Sept. 28, at the Museum of Art. The talk, sponsored by the Friends of the Museum, is being offered in conjunction with the exhibition, "The England of William Penn," currently at the Museum.

Mrs. Porter is a specialist in baroque art, having lectured and written about baroque painting, particularly the southern baroque paintings of France, Italy and Spain.

Her topic will concentrate on the complexities of what is meant by Baroque Art. It has been described as a revaluation of images, a manifestation of the values of life, conscious irrationalism, and a reaction against the systematic practices of the Mannerists, among other broad interpretations.

"Visions" is the name of the mixed media exhibition of paintings, stoneware, sculpture, and weavings being held at the Paul Robeson Cultural Center/Walnut Building during September.

"Visions" also is the name of the

Pittsburgh-area women's art group whose work is being shown. The group's members say their purpose is to "preserve, develop and expose our cultural energies through visual arts with local and regional exhibits, workshops, lectures and conferences."

Participants in the show are: Ann Sawyer Berkley, Jeanette Dobbs, Ida Alexander Herberly, LaVerne Kemp, Juanita P. Miller, Andrea Lynell Poole, Nicola S. Porter, Ruth Roebuck, Eloise Scott-McCray, Emma Slaughter, and Renee Stout.

June Miller, associate professor of music, will present an organ recital at 8:30 p.m. Monday, Oct. 4, in the recital hall of the Music Bldg.

Mrs. Miller's selections include 17th and 18th century works of J.S. Bach and Dietrich Buxtehude, and contemporary pieces by Ned Rorem, Daniel Pinkham and Myron Roberts.

She will open with Buxtehude's Prelude in D Minor, and Wiechen leuchtet der Morgenstern, Bach's Prelude and Fugue in A Major, and Christ, unser Herr, zum Jordan kam, then close before intermission with Pinkham's By the Waters of the Jordan.

A Roberts' selection, Nova, opens the second half of the recital, followed by excerpts from Rorem's A Quaker Reader, and Bach's Passacaglia in C Minor. The recital is sponsored by the School of Music. Admission is free and the public is welcome.

Bookshelf

A book by one of his former advisees has been dedicated to Dr. John C. Griffiths, professor emeritus of petrology.

The book, *Applied Hydrodynamics in Petroleum Exploration*, was written by Dr. Eric C. Dahlberg, who received an M.S. in 1964 and his Ph.D. in 1967, both in mineralogy and petrology. He is now president of the ECD Geological Specialists, Ltd., Calgary, Alberta, Canada. The book was published by Springer-Verlag, New York, N.Y. In his dedication, Dr. Dahlberg describes Dr. Griffiths as "my adviser during graduate student days, who convinced me of the value of applied science though he never told me exactly what it was."

Dr. Stanley H. Rosen, professor of philosophy, is the author of two books,

Nihilism: A Philosophical Essay and G.W.F. Hegel: *An Introduction to the Science of Wisdom*, both published by Yale University Press.

Dr. Rosen's primary objective in *Nihilism* is to defend Plato and classical philosophy against Martin Heidegger's radical existentialist criticism. Many critics of Heidegger consider his dubious politics during the early days of Nazi rule irrelevant to the understanding of his work. Rosen argues, on the contrary, that Heidegger's philosophy helps explain his initial enthusiasm for, and later submission to, the Nazi regime.

G.W.F. Hegel attempts to provide a comprehensive summary of the Hegelian system as a whole that is technically accurate and faithful to Hegel's intention. Dr. Rosen critically evaluates the Hegelian system with reference to *The Science of Logic* and *The Phenomenology of Spirit*, and against the background of an analysis of all Hegel's major works.

Pergamon Press has announced the publication of the first of a series of textbooks on radioactive waste disposal. Volume I, on the *Waste Package*, is authored by Dr. Rustom Roy, Evan Pugh professor of the solid state, who is editor of the series. Volumes in preparation deal with the *Sociopolitical Aspects*, *Geology and Geochemistry*, *Role of Cement and Concrete*.

While the radwaste field has become a major field of research and will soon become a substantial technology, and there are many research meetings and symposia, this series is the first to attempt to provide an overall tutorial survey of the field, for students or researchers entering the field.

Dr. Carl G. Vaught, chairman of the Department of Philosophy, is the author of *The Quest for Wholeness*, published by the State University of New York Press.

The book is a philosophic odyssey into mankind's feelings of fragmentation, and the search for unity born of those feelings.

It begins with the assumption that ordinary people often experience fragmentation in their own lives and that they seek wholeness as a genuine response to the predicament. Beginning with this fragmented situation, the book discusses ways of moving from fragmentation in the direction of wholeness.

The Quest for Wholeness is a serious attempt to build some bridges between philosophy, religion and the arts and is written for the layman as well as the philosopher. As Dr. Vaught suggests in the preface, "this book has been written for the artist, for the theologian, and for the philosopher, each of whom must be concerned with the question, 'What does it mean to be human?' But at a deeper level, it is written for any reader who knows what it means to be fragmented, and who is willing to undertake a quest for wholeness in experiential and reflective terms."

Funds for research on humans and pets available

The University's Gerontology Center has announced the availability of funds for pilot research projects in behavioral and physiological responses occurring during human and companion animal interactions.

The grants are being supported by the Green Island Foundation as a part of a program of research on the impact of pets on the health, social activity, and morale of older persons being conducted by Dr. Dan Lago, assistant professor of human development and coordinator of the Gerontology Center.

"Considerable interest has been generated by several recent studies concluding that pets do provide significant health benefits for their owners," Dr. Lago said.

"These findings have had wide circulation, in the popular media, and animals are being re-introduced into a variety of physical and mental health care facilities in increasingly large numbers. Nonetheless, much research is required to identify behavioral and physiological processes with domestic pet animals.

"The developmental grant program is designed to assist in establishing the required research orientation to this phenomena and to encourage faculty in developing interest, methodological approaches, and capacity in the study of human/animal companionship."

Proposals are sought in the following general areas:

1. Ethological and social psychological studies of human/animal companionship focusing on behavioral patterns of communication, both verbal and nonverbal (eye contact, patterns of touching, behavior displays, etc.).
2. Linguistic analyses of human/animal communication patterns.
3. Studies on the physiological changes in people during companionship interactions with pet animals:
 - a. Circulatory System — Heart rate, electrocardiogram patterns, blood pressure, serum lipids, etc.
 - b. Central Nervous System — Effects on brain function as determined by electrical or chemical

indicators. Changes in electroencephalographic or brain wave activity, eye movement patterns, catecholamine excretion, plasma endorphin concentration, etc.

- c. Endocrine System — Serum concentrations of regulatory hormones including those associated with stress and relaxation. Hormone excretion patterns.
- d. Respiratory System — Changes in pulmonary ventilation or metabolism.
- e. Skin and Musculature — Responses to touch, exercise; skin resistance temperature, or blood flow; electromyography, etc.
- f. Functional Capabilities — Exercise tolerance and physical work capacity among different categories of animal owners.

According to Dr. Lago, faculty members and graduate students with faculty supervision are eligible to apply for the funds. Three to five grants, with a range

from \$2,000 to \$5,000, will be awarded.

Proposals are to be sent to the Gerontology Center, 5-211 Henderson Human Development Bldg., by Oct. 28, and awards will be made based on the decisions of a peer review committee set up to Nov. 12. Research projects must be conducted prior to June 30, 1983. For additional information and application guidelines, contact Dr. Lago at 865-1717.

Meeting

A general meeting of the Graduate Faculty will be held at 2 p.m. Thursday, Oct. 7, in Room 112 Kern Graduate Bldg.

The agenda will include the annual report of the dean of the Graduate School and consideration of amendments to the Articles of Authority and Standing Rules of the Graduate Council proposed by the Committee on Committees and Procedures of the Graduate Council.

University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

September 23 — October 7 Special Events

Thursday, Sept. 23

Pass-Fail
Fixed date for meetings involving
Commonwealth Campus faculty.
Penn State Game of the Week, noon, Kern
Lobby.
Kern Classics, *The Thing*, 7 and 9 p.m., 112
Kern.

Friday, Sept. 24

Pass-Fail
Fixed date for meetings involving
Commonwealth Campus faculty.
Sports: JV football vs. Nassau Community
College, 2 p.m.; soccer vs. Cleveland State,
6:30 p.m.
Geography Dept. Coffee Hour, 3:40 p.m., 319
Walker Bldg. David Kibler, civil engineering,
on "Trickles to Torrents: Urbanization and
Runoff."
Commonplace Theatre, *Arthur*, 7 and 9 p.m.,
112 Kern. Also Sept. 26.

Saturday, Sept. 25

Pass-Fail
Fixed date for meetings involving
Commonwealth Campus faculty.
Sports: football vs. Nebraska, 1:30 p.m.
France-Cinema, *Weir, Gallipoli*, 7 and 9 p.m.,
112 Kern. Also Sept. 27.

Monday, Sept. 27

Drop deadline.
Preregistration deadline for Winter Term.
Shaver's Creek Environmental Center, Ecotour,
Baltimore National Aquarium, 6:45 a.m.-8
p.m. Registration: 238-5872.
T.V. Quarterback, noon, Kern Lobby.
Comp. Lit. talk and reception, 4 p.m., 124
Sparks. Cornelia Comorovski, Univ. of
Angers, France, on "Comparative Literary
Studies in Central and Western Europe."
Recital, Raymond Brown, 8:30 p.m., Music
Bldg. recital hall.

Tuesday, Sept. 28

Museum of Art, gallery talk, 10:30 a.m. Jeanne
Chenault Porter, art history, on "The
Baroque Phenomenon: Searching for a
Definition."
Life on Earth Series, *The First Forests*, noon,
Kern Lobby.
Comp. Lit. Luncheon, 12:15 p.m., 204 HUB.
Cornelia Comorovski, Univ. of Angers,
France, on "The Basic Metaphor of the
Theatre of the Absurd."
Nursing Consultation Center, "Families With
Mental Health Concerns," 7:30 p.m.,
Lobby, Nursing Consultation Center.
Continues every Tuesday throughout Fall
Term.
Faculty Women's Club, Fall reception, 7:30-9:30
p.m., Kern.

Wednesday, Sept. 29

Commons Concert, noon, Kern Lobby.

Thursday, Sept. 30

Shaver's Creek Environmental Center, Ecotour,

Hawk Mountain Sanctuary, 6:15 a.m.-8 p.m.

Registration: 238-5872.

Penn State Game of the Week, noon, Kern

Lobby.

Kern Classics, *The Day the Earth Stood Still*, 7
and 9 p.m., 112 Kern.

Friday, Oct. 1

Geography Dept. Coffee Hour, 3:40 p.m., 319
Walker Bldg. Robert Schmalz, geology, on
"Hutton and the Hobgoblin: A Revisionist
View of Uniformitarianism."
Sports: soccer vs. Akron, 7:15 p.m.
Commonplace Theatre, *Apocalypse Now*, 7 and
9 p.m., 112 Kern. Also Oct. 3.

Saturday, Oct. 2

Shaver's Creek Environmental Center, Harvest
Moon Crafts Workshop, 9 a.m.-4 p.m.;
Harvest Moon Party, 6:30-10 p.m.
Registration: 238-5872.
Sports: field hockey vs. North Carolina, 11 a.m.
France-Cinema, *Deville, Vivez en douce*, 7 and 9
p.m., 112 Kern. Also Oct. 4
"Churchill," 8 p.m., Eisenhower Auditorium.

Sunday, Oct. 3

Sports: soccer vs. Wake Forest, 1:30 p.m.
Artists Series, Festival of the Nile, 8:30 p.m.,
Eisenhower Auditorium.

Monday, Oct. 4

T.V. Quarterback, noon, Kern Lobby.
Organ Recital, June Miller, 8:30 p.m., Music
Bldg. recital hall.

Tuesday, Oct. 5

Shaver's Creek Environmental Center, Docent
Enrichment Program, 9 a.m.-noon.
Registration: 238-5872.
Life on Earth Series, *The Storming Heides*,
noon, Kern Lobby.
Comp. Lit. Luncheon, 12:15 p.m., 204 HUB.
Tala Kashim Ibrahim, Univ. of Yaounde,
Cameroon, on "The Met as a Unique Form of
Oral Literature in Cameroon."
University Senate meeting, 1:10 p.m., 112 Kern.

Wednesday, Oct. 6

Commons Concert, Practical Quality String
Band, noon, Kern Lobby.
Instructional Development Program seminar,
"Course Conversion: Adapting Term
Courses to Semester Time Frames," 9:30-11
a.m., 305 HUB. Also Oct. 7, 3:40-3 p.m.

Thursday, Oct. 7

Bloodmobile, 10 a.m., 101 and 101-A Kern.
Kern Classics, *Our Man Flint*, 7 and 9 p.m., 112
Kern.

Seminars

Thursday, Sept. 23

Chemistry, 12:45 p.m., 55 Osmond Stephen R.
Leone, Univ. of Colorado and Natl. Bureau of
Standards, on "Laser Studies of Chemical
Reaction Dynamics."
Air Pollution Control, 2:20 p.m., 69 Willard
James K. Hanbright, Bureau of Air Quality
Control, on "Interstate Impact of Air
Pollution."

Fuel Science, 4 p.m., 301 Steidle. Madhukar
Rao on "Possibilities of Oxygen Isotopic
Exchange in CO₂ to Characterize Active
Sites."



"Queen Henrietta Maria," a watercolor on
vellum from the Fitzwilliam Museum in
England, is one of several works on display
through the end of October at the Museum
of Art. The show is entitled "The England
of William Penn 1644-1718."

English, 8 p.m., 101 Kern. Father Walter J. Ong
on "Writing Restructures Consciousness."

Friday, Sept. 24

Analytical Chemistry, 10 a.m., 55 Osmond E.
Karwacki on "SIMS Study of Catalytic
Oxidation of Methanol on Cu(110)."
Finance, 2 p.m., 101 Kern. Merton H. Miller,
Univ. of Chicago, on "Corporate Finance."
Physical Chemistry, 4 p.m., 55 Osmond. Peter
Gold, chemistry, on "High-Resolution
Spectroscopy Using Lasers."

Tuesday, Sept. 28

Organic/Inorganic Chemistry, M. Smith, 12:45
p.m., 55 Osmond.
Chemical Engineering, James S. Ulman, 3:45
p.m., 140 Fenske.
Philosophy, "Philosophy of the Human
Sciences," 3:45 p.m., 406 Walker.

Thursday, Sept. 30

Chemistry, 12:45 p.m., 55 Osmond. Gregory
Petro, M.I.T., on "The Mechanistic
Pathway of Ribonuclease A at Atomic
Resolution."

Air Pollution Control, 2:20 p.m., 69 Willard
Daniel Kwasnoski, Bethlehem Steel Corp.,
on "Pollution Abatement in the Steel
Industry."

Geosciences, 3:45 p.m., 26 Mineral Science.
Michael J. Carr, Rutgers Univ., on "Crustal
Influence on Magmatic Diversity Along the
Central American Volcanic Front."

Fuel Science, 4 p.m., 301 Steidle. Dan Maloney
on "Effects of Preoxidation on Rapid
Pyrolysis Behavior and Resulting Char
Structure of Bituminous Coals."

Friday, Oct. 1

Ecology, 1 p.m., 371 Willard. Andrew Benson,
U. of California-San Diego, on "Arsenic
Metabolism: A Way of Life."

Monday, Oct. 4

Entomology, 3:50 p.m., 204 Patterson. James O.
Nichols. PA Dept. of Environmental
Resources, on "Forest Insect Problems in
Pennsylvania."

Biochemistry, Microbiology and Molecule and
Cell Biology, 4 p.m., 101 Allhouse. Victor
Bloomfield, Univ. of Minnesota, St. Paul, on
"Dynamic Light Scattering: Applications to
Nucleic Acids and Viruses."

Tuesday, Oct. 5

Organic/Inorganic Chemistry, V. Kalish, 12:45
p.m., 55 Osmond.
Chemical Engineering, Thomas J. Hanratty,
Univ. of Illinois, 3:45 p.m., 140 Fenske.
Geosciences, 3:45 p.m., 112 Walker. Paul D.
Lowman, Jr., NASA Goddard Spaceflight
Center, on "The Origin of the Continents."

Thursday, Oct. 7

Chemistry, John E. McMurtry, Cornell Univ.,
12:45 p.m., 55 Osmond.
Air Pollution Control, 2:20 p.m., 69 Willard.
Gerhard G. Brethof, mechanical engineering
and dir., Noise Control Lab., on "Acoustic
Agglomeration of Sulfuric Acid Particles."
Fuel Science, 4 p.m., 301 Steidle. Ljuba
Radovic on "Importance of Catalysis and
Carbon Active Sites in Lignite Char
Gasification."

Exhibits

Chambers Gallery

Seem Ok Hahn, ceramics, through Oct. 4.

Kern Gallery

Gallery hours: Monday through Saturday,
8 a.m.-11 p.m.; Sunday, noon-11 p.m.
Fritz Jerry Hovares, glass, through Sept. 30.
Ken Simmons, photography.
Hand Made Feather Masks, opens Oct. 1.

Museum of Art

Museum hours: 11 a.m.-4:30 p.m. Closed
Mondays. Museum Tours, Sundays, 1:30
p.m.
European works from the Museum's Collection,
through Oct. 3.
The England of William Penn, 1644-1718
Selections from the Museum's Collection.

Pattee Library

East Corridor Gallery
University Graphic Services Collection by the
Staff.

Lending Service Lobby

Richard Sidoroff, photos, through Sept. 28.
Kathryn M. Levas, drawings of John Lennon,
opens Sept. 28.
West Pattee Lobby
Celeste Fernandez, photographs, through Oct. 1.

Black Studies Room

Poster exhibit featuring exceptional black
scientists.
Rare Books Room
World's Fair.

Visual Arts Bldg. Zoller Gallery

Gallery hours: 9 a.m.-5 p.m., Monday through
Friday. Saturdays and Sundays, 1-5 p.m.
Jured print show, through Sept. 26.
School of Visual Arts faculty exhibition, opens
Oct. 1.

Festival of Nile arriving



The Artists Series will present "Festival of
the Nile" at 8:30 p.m. Sunday, Oct. 3,
in Eisenhower Auditorium.

By evoking both the mythology of the
pharaohs as well as a taste of popular
Egyptian culture, a company of forty
singers, dancers, and musicians depict in
native color the mysteries of ancient and
modern Egypt. The company, featuring
native Egyptian performers, conjures up
the mystique of the Nile through ritual
music, epic ballads, folk songs, and exotic
dances.

Festival of the Nile dancers wind their
way through myriad complex patterns.
With native skill, the company paints
images of Egypt through the mystery of
the oriental "bellydance," the colorful
whirling skirts of the "zikk" dance, and
the knife-flashing "combat dance." Tribal
folk music, handed down from father to
son, accompanies the dances.

Tickets are on sale from 9 a.m. to 4 p.m.
weekdays at the Eisenhower Auditorium
box office.

Prof. Brown gives recital

Bass-baritone Raymond Brown, professor
of music, will present a recital at 8:30 p.m.
Monday, Sept. 27, in the recital hall of the
Music Bldg.

Assisting Mr. Brown will be the
musicians of the Alard String Quartet —
violinists Joanne Zagst and Donald
Hopkins, violist Raymond Page and cellist
Leonard Feldman — and other faculty and
student instrumentalists.

The evening's selections will feature
works by J.S. Bach: "Wann kommst du,
mein Heil?" and "Ich habe genug, BWV 82."
Other works scheduled for the
performance include pieces by Caccini,
Dowland, Schutz, Barber, Moore, and
Wagner.

The free concert is sponsored by the
School of Music and is open to the public.

Appointments

Dr. Sabrina C. Chapman, assistant professor of sociology, has been appointed coordinator of the Women's Studies Program. She replaces Dr. Audrey T. Rodgers, associate professor of English, who resigned as coordinator to resume full-time teaching responsibilities.

"The Women's Studies Program at Penn State has been developed on a solid foundation in the academic disciplines," Dr. Stanley F. Paulson, dean of the College of the Liberal Arts, said. "With the appointment of Prof. Chapman providing the new leadership, I am confident the program will grow and prosper."

Dr. Chapman, a University faculty member since 1979, received her bachelor's degree in sociology from Mount Holyoke College, her M.Ed. degree in English/education from Cornell University and her Ph.D. degree in sociology from Penn State.

She has been active in women's studies on local, regional and national levels. Since 1979, she has served on the University Women's Studies Advisory Committee and presented many papers at both regional and national meetings of the National Women Studies Association.

As coordinator of the Women's Studies Program, she will be responsible for the multidisciplinary program which offers courses designed to incorporate women's perspectives and accomplishments within scholarly study. Under the term system, the program constitutes a non-major option. It will become a minor next year under the semester system.

The Women's Studies Program is administered by the College of the Liberal Arts and is open to all students at the University.



Sabrina C. Chapman

Dr. Robert E. Burkholder has been named acting associate director for academic affairs at the Wilkes-Barre Campus. He succeeds Dr. Nils A. Parr who resigned.

Dr. Burkholder joined the Penn State/Wilkes-Barre faculty in 1980 as assistant professor of English. He previously taught at Midlands Technical College and the University of South Carolina.

A graduate of Washington College, Chestertown, Md., he received a master's degree in English and a Ph.D. in American literature from the University of South Carolina.



Robert E. Burkholder

Dr. Burkholder is a recognized expert on the works of Ralph Waldo Emerson, the 19th century essayist and poet. He is a member of the editorial board of *The Collected Works of Emerson*, published by the Harvard University Press, and was a contributor to *Emerson Centenary Essays*, published by the Southern Illinois University Press.

In addition to his work on Emerson, he has written essays on novels by William Burroughs, Pat Conroy and Jim Harrison. He is chairman of the section on New England Transcendentalism for the Northeastern Modern Language Association and a member of the executive committee of the Northeastern Pennsylvania Writing Council.

John Kho, formerly of Plattsburgh, N.Y., has been named a writer/editor in the Department of Public Information and Relations.

Mr. Kho, assigned to coordinate science news in the department, will cover science stories in the colleges of Earth and Mineral Sciences, Agriculture and Science and in several intercollege research institutes.

For the past two and one half years, Mr. Kho has been the city reporter for the Press-Republican in Plattsburgh, N.Y. He graduated with a bachelor of arts in communication arts degree from the University of Wisconsin, Madison, in 1977.

Penn Staters

Several faculty members of the Department of Physics presented papers at the 29th International Field Emission Symposium last month in Gothenburg, Sweden. The speakers were Dr. Carl R. Hausman, Dr. Emanuel Feuchtwang, and Dr. Tien-Tou Tsong, professor of physics. Dr. Nicholas N. Miskovsky, assistant professor of physics at Alhona Campus, was co-author with Drs. Cutler and Feuchtwang. Dr. Cutler also attended the European Conference on Surface Science later in the month in Ghent, Belgium.

Three members of the Cooperative Extension Service staff have received Distinguished Service Awards from the National Association of County Agricultural Agents.

Honored for "outstanding educational contributions to Pennsylvania's agriculture" were John P. Harris, Perry County Extension director, Harold A. Holl, Snyder County Extension director, and Thomas H. Obourn, Erie County Extension agent.

Dr. Carl R. Hausman, professor of philosophy, and Dr. Joseph C. Flay, associate professor of philosophy, have been named members of the International Board of Advisors for the Center for Advanced Research in Phenomenology.

Dr. Kenneth A. Johnson, assistant professor of biochemistry, presented invited papers at two international meetings. He presented "Structural and Kinetic Analysis of the Dynein ATPase" at the International Conference on Development and Function in Cilia and Sperm Flagella in Siena, Italy, and "Structural and Kinetic Analysis of the Dynein-Microtubule Complex" at the Max Planck Institute for Medical Research, Department of Biophysics, Heidelberg, West Germany.

Dr. James R. Klein, associate professor of physics at the Worthington Scranton

Campus, participated in the Second Trieste International Symposium on Statistical Mechanics of Adsorption held at the International Center for Theoretical Physics, Trieste, Italy.

Dr. Kenneth K. Kuo, professor of mechanical engineering, presented a paper at the 13th International Symposium on Space Technology and Science in Tokyo, Japan, on "An Aerothermochemical Model for Erosive Burning of Double-Base Propellants in Turbulent Flow." While in Japan, Dr. Kuo also conducted two invited seminars, one on "Erosive Burning of Solid Propellants" at the Japanese Defense Ministry's Rocket Propulsion Laboratory, and the other on "Propellant Ignition Under Rapid Pressurization," sponsored by the Japanese Industrial and Explosive Society.

In August, Dr. Kuo gave a paper on "Ignition of Composite Propellants in a Stagnation Region Under Rapid Pressure Loading" at the International Symposium on Combustion in Haifa, Israel. He also gave two invited seminars at Technion (Israel Institute of Technology) to members of the Rocket Propulsion Committee of the Armament Development Authority.

Dr. Mary S. Mander, assistant professor of speech communication, is one of three faculty members who delivered papers at the biennial meeting of the International Association of Mass Communication Research in Paris. She discussed "Communication Theory and History" and also chaired a panel on "Emerging Debates in Communication in the United States."

Dr. John Spicer Nichols, assistant professor of journalism, presented a paper on "Structural Approach to the Study of Freedom of the Press in the Americas."

Dr. Richard L. Barton, associate professor of speech communication, presented a paper on "Television Documentary's Potential for Inducing Political Discourse: A Rhetorical Analysis."

Dr. Leo Manglaviti, assistant professor of English at the Worthington Scranton Campus, presented a paper at the International James Joyce Symposium in Dublin, Ireland. Dr. Manglaviti's presentation focused on the image of Dublin in the novel, *Ulysses*.

Dr. Richard M. McClure, associate professor of civil engineering, has been named by the Pennsylvania Department of Transportation (PennDOT) to serve as its first-ever visiting scientist.

Dr. McClure — whose research at Penn State's Pennsylvania Transportation Institute has long focused on bridge design, construction, maintenance and repair — is serving in PennDOT's Office of Research and Special Studies on a one-year appointment. As PennDOT's visiting scientist, he will study how to improve bridge construction and how to resolve the numerous problems associated with bridge maintenance and repair.

Dr. Dennis J. Murphy, assistant professor of agricultural engineering Extension, and Ronald C. Williams, instructor in speech communication for the Developmental Year Program, have received a Blue Ribbon Award for their safety shorts educational programs from the American Society of Agricultural Engineers in recognition of "outstanding effort and achievement in the development of noteworthy educational aids."

Dr. Richard C. Nelson, professor of physical education and director of the Biomechanics Laboratory, has received the 1982-83 Alliance Scholar Award from the American Alliance for Health, Physical Education, Recreation and Dance for his contributions to scholarly research in biomechanics and his abilities to communicate his findings to groups within the field.

Dr. Don N. Page, assistant professor of physics, presented papers in England and China. He was an invited speaker at the Nuffield Workshop on

the Very Early Universe held at the University of Cambridge, England. He presented three papers at the Third Marcel Grossmann Meeting on the Recent Development of General Relativity in Shanghai, China. The papers were "Thermal Stress Tensors in Static Einstein Spaces," "Indirect Evidence for Quantum Gravity" and "Can Quantum Gravity Be Predictable and/or Time Symmetric?"

Dr. Gerhard F. Strasser, assistant professor of German, recently delivered a paper at the XIX Convegno Internazionale del Centro Studi Umanistici Angelo Poliziano at Montepulciano, Italy. His topic was "Tradito et innovato: L'oeuvre cryptologique de Jean Trithème."

Dr. T.T. Tsong, professor of physics, presented an invited lecture at the Nordic Conference on Surface Science in Tampere, Finland. His talk was entitled "Interactions Between Adsorbed Atoms and Adsorption Layer Superstructure Formation."

Dr. Clifford H. Wagner, associate professor of mathematics at the Capital Campus, presented a paper on "Real Data for Simpson's Paradox" at the First International Conference on Teaching Statistics in Sheffield, England.

Drs. Thomas D. Yawkey, associate professor of early childhood education and Margaret L. Yawkey (Tyron School District) presented invited papers, "Pretend Play as a Correlate of Cognition," at Preschool Teachers College Conference in Oslo, Norway, and "Cognitive Development and Play Tangibles" at Research and Development in Education Conference in Billund, Denmark. They also gave invited seminars on "Play Training: Fact or Fiction?" at the Leyden University in Holland and on "Social Processes in the Young Child" at Marlburg University in West Germany.

Partings

Dr. Hans A. Panofsky, Evan Pugh professor of atmospheric sciences, has retired with emeritus rank.

Dr. Panofsky was named to the University faculty in 1951 as associate professor of meteorology. Before that, he taught meteorology at New York University and astronomy at Wilson College, Chambersburg.

Dr. Panofsky was twice honored by the American Meteorological Society. He received its Meisinger Award in 1965 and the Carl-Gustav Rossby Research Medal in 1976. He has authored some 100 papers, articles and books.

He was a Guggenheim Fellow at Cambridge University in 1960, and is a fellow of the American Meteorological Society, the American Geophysical Union and the American Association for the Advancement of Science.

Born in Cassel, Germany, Dr. Panofsky received his A.B. degree in 1938 from Princeton University. He earned a Ph.D. three years later from the University of California, Berkeley.

Dr. Panofsky, whose permanent residence is now California, will lecture part of this year at Colorado State University. He will lecture at Penn State during the 1983 summer term.

Dr. Jean O. Britton, professor of education and psychology, has retired with emeritus status.

A member of the University faculty since 1949, Dr. Britton was in the College of the Liberal Arts' Department of Psychology until 1966. She then joined the Department of Counselor Education — now the Division of Counseling and Educational Psychology — in the College of Education.

In the College of Education, Dr. Britton was closely involved with the Division's Rehabilitation Programs. She taught and

supervised graduate and undergraduate research in such rehabilitation areas as vocational rehabilitation, theories of counseling, analysis of the individual and the role of rehabilitation counselor.

Dr. Britton, with her husband, Dr. Joseph H. Britton, professor of human development, is the author of a book, *Personality Change and Aging: A Longitudinal Study of Community Residents*, published in 1972 by Springer. She also is the author or co-author of a number of articles published in professional journals. Most of her articles reflect her primary research interest in problems associated with aging and how to overcome them.

Dr. Britton received her Ph.D. in human development from the University of Chicago in 1949. Her A.M. degree in student personnel administration was awarded by Columbia University's Teachers College in 1945 and her A.B. degree in political science and history by the University of Louisville in 1944.

The recent retirement of Earl W. Kelley, Sr., supervisor, equipment and records, in Property Inventory, marked the end of an era. He began work for the department on wage payroll in 1947, joining the regular staff in 1948, and was associated with keeping track of University property throughout his 35-year career.

Mr. Kelley assumed his position as supervisor of Property Inventory in 1957 and was responsible for establishing and maintaining an up-to-date file of all equipment owned by the University and on loan to the University by federal and

state agencies and private concerns.

"The book value of all University equipment, as of June 30, 1981, is approximately \$109 million. That's a very big figure to account for," notes Niles Keesler, manager of financial statements. "Earl was a dedicated and conscientious employee and a very, very hard worker. He had to adapt to a lot of changes over the years, too."

During the early years of Mr. Kelley's work, Property Inventory was located in Old Main and a great deal of time was spent on records. An IBM punch card system was used and every piece of University property with \$1 and over value that had a "useful year's life" was tagged with an identifying number. Over the years, the department relocated to Shields and an on-line computer system replaced the punch cards. Today, the basic tagging cost is \$500 and over with a "useful life of two years."

Mr. Kelley and his wife, Janet, retired in Lemont and have two sons, Robert and Earl Jr. Mr. Kelley is a member of the Tall Cedars of Lebanon - Cedar Forest #129, the Mason chapter in Centre Hall, and the Consistory in Williamsport.

William H. White, Philadelphia County Extension director, has retired after 33 years of service.

He was appointed to the Extension staff in July 1949 as assistant county agent in Lackawanna and Wyoming counties. The following year he was transferred to Susquehanna County and in 1955 was

(continued on page 8)



Hans A. Panofsky

Recently, a scholarship was established at Penn State in his name for undergraduate students in meteorology.

Dr. Panofsky was one of the first Penn State faculty members to receive the Evan Pugh designation. It is one of the greatest honors the University bestows upon faculty members and recognizes research of the highest quality.

Faculty/Staff Alerts

New parking bumper stickers are being issued to faculty and staff members. Sticker stickers will expire Sept. 30, and the new stickers must be displayed no later than Oct. 1. The new stickers will be valid for two years until Sept. 30, 1984.

Faculty and staff who wish to register a second vehicle for parking privileges may do so by paying a \$10 second vehicle registration fee. The fee will be accepted by either the department financial officers or the Bursar's Office who will in turn issue receipts to be presented to the department parking representative. The second vehicle sticker will be valid until September, 1984. If two vehicles are registered for parking privileges, both cannot be parked on campus at the same time.

Old bumper stickers need not be turned in to receive new stickers. However, remnants of the new stickers must be presented to receive replacement stickers. If complete remnants are not presented, a \$10 replacement fee will be charged.

Revised parking maps with parking rules and regulations, dated September 1982, are being issued with the new bumper stickers. Faculty and staff members should become familiar with the parking rules and regulations.

Parking rule H.3 has been modified to include a \$2.00 additional penalty for each

parking violation deducted from pay. Heretofore, the \$2.00 additional penalty was assessed once no matter how many violations were deducted.

Since 1964, the University has offered a voluntary plan for accidental death and dismemberment insurance to all regular faculty and staff members. The plan provides optional amounts of insurance ranging from \$10,000 to \$200,000 and also provides accidental death and dismemberment coverage for dependents.

The month of October is the period when membership or coverage in this plan may be changed. One or more of the following actions may be taken during this month: 1. change the dollar amount of insurance coverage; 2. change from individual coverage to family coverage or vice versa; 3. enroll in the plan as a new member; 4. withdraw from the plan.

To accomplish any of the above changes, obtain a VADD change form from your personnel representative or business manager, complete it and send it to the Employee Benefits Division, Room 133 Willard Bldg., by Oct. 31. All changes received by that date will become effective Nov. 1.

If you wish to check your present coverage, examine the section of your

paycheck stub marked "VADD". The deduction will indicate the amount of coverage you have.

Coverage	Deduction	Monthly Biweekly Deduction
\$ 10,000	\$.37 single \$.58 family	\$.17 single \$.27 family
\$ 25,000	\$.93 single \$ 1.45 family	\$.43 single \$.67 family
\$ 50,000	\$ 1.85 single \$ 2.90 family	\$.85 single \$ 1.34 family
\$100,000	\$ 3.70 single \$ 5.80 family	\$ 1.71 single \$ 2.68 family
\$150,000	\$ 5.55 single \$ 8.70 family	\$ 2.56 single \$ 4.02 family
\$200,000	\$ 7.40 single \$ 11.60 family	\$ 3.42 single \$ 5.35 family

If you are unable to check in this manner, information about your coverage may be obtained from the Employee Benefits Division. No action is needed to continue your current coverage without change.

The Office of Personnel Administration would like to remind faculty and staff members of the University policy regarding the placement of help wanted advertising.

The manager of the Employment Division is responsible for reviewing the wording of all help wanted advertisements, so that such

advertisements are in compliance with State and Federal legislation and a standard of public relations is maintained (See PS-33, Help Wanted Advertising in the University Policy Manual).

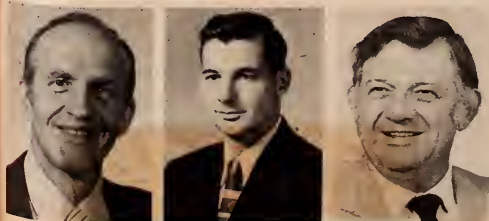
Anyone wishing to place classified advertisements for faculty or staff vacancies should contact Robert L. Kidder, manager, Employment Division, 865-1387 (Network number 475-1387) before taking any formal action.

The University makes a contribution to the Teacher's Insurance and Annuity Association (TIAA) on behalf of each faculty and staff member who belongs to that retirement program. The retirement law which permitted the University to use TIAA as an alternate to the State Employees' Retirement System (SERS) also states that the amount the University contributes to TIAA shall be no more than the rate the actuaries of the retirement board determine to be necessary to fund the SERS adequately.

The amount is reviewed each year by the actuaries, and it may increase or decrease. From July 1, 1981, through June 30, 1982, the amount was 6.50 percent of salary. The rate which became effective July 1, 1982, through June 30, 1983, is 7.83 percent of salary.

The contribution rate by faculty and staff members to either retirement system will remain at five percent of salary.

25-year service award recipients



Observing their 25th year with the University are, from left, Dr. Herbert Cole Jr., professor of plant pathology; Denis W. Hoke, associate extension agent, Lebanon County; George F. Orner, associate extension agent, Southern



Allegheny Region; Joseph E. Shick, extension agent, Lawrence County; Orville A. Yoder, senior extension agent, Bradford County; Duane R. Prosser, professor of engineering, McKeesport Campus.

Professor develops computer program

Bill Kinser has a recipe for Penn Staters that will whet their appetites and satisfy their craving, but not for food.

What he's cooked up isn't edible. It's an introductory computer program that teaches how to use word processing and produce typeset copy. The program, *Typographics I*, is stored in the University's computer system.

"This program is a recipe book on the most elementary level rather than a dictionary or an encyclopedia," Prof. Kinser says.

"Anybody can use the system," he says. An assistant professor of art, he teaches graphic design at the University and has come up with what may be the first computer program of its kind.

His *Typographics I* program is a conversational introduction to word processing. In it, he discusses how word processing allows you to enter and edit text, how word formatting allows you to organize your text; and how typesetting

and design conventions help you create handsome and legible typography.

"As writers learn word processing and find it easy to add typesetting commands to their word processing program," he says in the program's text, "they are encouraged to give typographic form to their writing."

The program is designed as a self-teaching lesson that explains the elements of typography and typesetting. In it, Prof. Kinser takes users step by step through the Script text processing program and the interface to Printing Services, which was written by William H. Verity, research associate at the Computation Center.

Users of the program simply read and follow the instructions, which cover word processing (Interact), word formatting (Script), typesetting commands, design hints and a dictionary of computer terms. Interact and Script are computer programs in the University's computer system.

Prof. Kinser's program asks users to



Bill Kinser

Photo: Scott Johnson

write a paragraph, then make decisions about how that paragraph should be displayed on a page.

To typeset copy, you need to know what typeface (such as Times Roman or Gothic), type size (such as 6, 7, 8 or 9 point), how much line spacing (white space) you want between each line and

how long you want each line to be. Prof. Kinser's program takes you through the procedure and helps you answer each question.

To use the program, you need a user number which allows you access to the University computer system. The program

(continued on page 7)

Partings

named Philadelphia County agricultural agent.

Born in Wisner, Nebraska, Mr. White received his bachelor of science degree from Penn State and master of science degree from the University of Missouri. In Philadelphia, he was recognized for his Extension programs in turfgrass management. He was an honorary member of the Philadelphia Association of Golf Course Superintendents and served on its educational committee.

During the 1960's his 4-H work in "blighted areas" of Philadelphia gained nationwide recognition. As part of an extensive beautification campaign, 4-H members started plants to develop gardens. He started the first 4-H Demonstration Garden, a cooperative venture with the Sears Roebuck Foundation and Neighborhood Garden Association, which served as a guide for hundreds of boys and girls interested in horticulture and floriculture.

In 1971, he received a Distinguished Service Award from the National Association of County Agricultural Agents for his service to the state's agriculture.

"She was a special person . . . just the life of the laundry," says Gary Feltenberger, assistant supervisor of laundry services, of recently retired Edna M. Witmer. "When it would get tough around here, she lived things up and raised everyone's spirits. There's nobody like her and that's all there is to it."

Mrs. Witmer, a laundry worker in Housing and Food Services joined the University staff in 1961, working as a night shift janitress in Maintenance and Operations. She became a maid in North Halls in 1963 and transferred to her most recent position in 1970, when the Laundry opened to meet Penn State's expanding needs. In her job, Mrs. Witmer performed a variety of duties ranging from ironing pillowcases, folding towels for the Nittany Lion Inn, to preparing uniforms for dining hall workers.

During her retirement, Mrs. Witmer would like to travel and in the near future plans to spend a month with her sister in North Carolina. Mr. Witmer has tried to help his wife fill her spare time by introducing her to a new hobby. "My husband is trying to get me interested in

fishing," she says, "but when I had to bail the hook . . . well, it's just not for me."

Mrs. Witmer and her husband, Kenneth, a former meat cutter in the butcher shop at the University, reside in Pleasant Gap. They have two sons.

Eleanor E. Meyer, registration clerk in Registrar, from July 1, 1970, to Aug. 15, 1975, and Dec. 20, 1976, to Sept. 11.

Christina E. Pearson, receptionist, clerk at DuBois, from Sept. 11, 1972, to Sept. 11.

Vivian H. Madson, accounting clerk in Student Affairs, from March 7, 1969, to Aug. 31.

William S. McGee, Jr., assistant dining hall supervisor at Behrend, from Aug. 27, 1971 to Aug. 4.

Harry R. O'Neal, assistant professor of chemistry at Ogontz, from Sept. 21, 1970, to July 1.

Mary Anna Brown, secretary in Human Development, from Aug. 26, 1968, to June 12.

Promotions Staff Exempt

Betty Ann Mark to administrative aide in Earth and Mineral Sciences.

Michelle A. Sklar to assistant extension agent in Agriculture.

Rick A. Witmer to auditor in Controller's Office.

Staff Non-Exempt

James A. Cox to senior psychiatric

technician at Hershey.

Maryalyn Deresinski to research technician at Hershey.

Ruth E. Engle to senior psychiatric

assistant at Hershey.

Elaine Hastings to auditing assistant in

Controller's Office.

Judith Ann Hand to administrative aide in

Science.

Susan B. Witherell to master terminal

operator in Management Services.

Clerical

Linda L. Emel to data processing

operator B in Management Services.

Mimi C. Ridenour to data processing

operator B in Management Services.

Technical Service

Gerald Wagner to building maintenance

worker in Student Affairs.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 3 p.m., Sept. 30, 1982. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (FEPS) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

• **Research Manager, Vice President for Development, Office of Gifts and Endowments, University Park** — Responsible to the director, Administrative and Information Services, for the coordination and implementation of prospective donor research activities in the Office of Gifts and Endowments. Supervise research staff, make assignments, determine priorities, review and evaluate results. Assist in the development and implementation of methods for computer entry, storage and retrieval of donor information. Bachelor's degree or equivalent in humanities or library science plus two to three years of effective experience in performing qualitative research required.

• **Research Technician, College of Science, University Park** — Responsible for protein separations and analyses, enzyme purification and kinetics, radioisotope assays. This is a one-year appointment with a possibility of refunding. Bachelor of science degree in chemistry or biochemistry required.

• **Perinatal Clinical Nurse Specialist, The College of Medicine, Hershey** — Responsible to a principal investigator in the Department of Obstetrics and Gynecology for the organization and conduct of a program of perinatal outreach education for nurses and physicians, providing consultation services and direct care serving as a role for other health care professionals. A master's degree in one of the defined nursing clinical specialties and registered nurse licensed or eligible for licensure with the Pennsylvania Board of Nurses, plus one to two years of effective experience.

• **Technical Support Programmer, Management Services, University Park** — Responsible for first-level interfacing with application users in determining programming problems. Also act as interface between Systems Architecture and users in establishing standards and techniques in the use of software. MVS/JES2 shop. Bachelor's degree or equivalent with one to two years of effective experience in application programming. Knowledge of at least one programming language essential (COBOL, PL/I, ASSEMBLER). Also an understanding of JCL, system utilities, and basic data set structures is required. Experience in COBOL, ROSCOE, BAL, TSO, CICS, VTAM software desired.

Provost names advisory group

Provost Eddy has named an advisory committee for the appointment of the executive secretary of the University Faculty Senate.

The committee will advise the provost on the scope and qualifications of the position and assist in the identification of the best qualified candidate.

Members of the committee are Dr. Joseph A. Dixon, chairman of the

University Faculty Senate; Dr. Nancy M. Tischer, immediate past-chairman of the Senate; Dr. Richard P. Chail, associate provost; Dr. Robert E. Dunham, vice president for undergraduate studies; Warren R. Haffner, University registrar; Dr. Herberta Lundegren, professor of physical education and recreation, and Dr. Eugene Slaski, associate professor of history at the Allentown Campus.

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Renaissance Fund dinner to honor Barbara Palmer

Barbara Raeder Palmer, State College civic leader, will be honored Wednesday, Nov. 3, at the sixth annual Renaissance Fund dinner.

Proceeds from the dinner, at 6 p.m. at the Nittany Lion Inn on the University Park Campus, will benefit Penn State's Renaissance Fund, which provides scholarship aid for "the brightest of the neediest of Penn State students."

"Barbara's contributions to the State College community, Penn State and the Centre Region are numerous," says Mimi Barash Coppersmith, president of the Renaissance Fund. "She worked as a teacher and served as a board member for a pre-school program for disadvantaged children, served as president of the Centre County United Way, is current president of the Friends of the Museum of Art at Penn State and helped found the Hemlock Girl Scout Council.

"She worked with the Heart Association. As a member of the board of C-Cor Electronics, Inc., for 25 years, Barbara's knowledge of the electronics field made her a most qualified person to

serve on the committee that established the Pennsylvania Public Television Network.

"Additionally, over many years, Barbara has helped underprivileged and less fortunate people on and off campus, quietly and warmly with a very special human sensitivity."

Mrs. Palmer is active in Festival Company II at Penn State, a group aimed at furthering the interests of the University's Festival Theater Program in the College of Arts and Architecture. She also is an elder and treasurer in the United Presbyterian Church.

A native of Baltimore, Mrs. Palmer is a graduate of Iowa State University, where she was active in academic and social organizations and chaired the local Red Cross War Fund Drive. She and her husband, James R. Palmer, lived in the Philadelphia area until 1953 when they moved to State College. Mr. Palmer is the president of C-Cor Electronics, Inc.

Penn State's Renaissance Fund has raised approximately \$800,000 over the

(Continued on page 3)



Barbara Raeder Palmer

Homecoming Weekend Parade, activities scheduled

Homecoming Weekend activities at the University Park Campus this year begin at 5:30 p.m. Friday, Oct. 15, with a parade featuring several state legislators, Miss Pennsylvania and 25 floats built by students.

The parade will begin at the Intramural Building on Curtin Road, follow Bigler and Shortledge roads south to East College Avenue, go west on College to North Burrows Road and north on Burrows to Pollock Building. It will end at the Hetzel Union Building.

Eugene Wettstone, retired gymnastics coach and professor emeritus of physical education, will serve as grand marshal for this year's parade, which also will feature the Budweiser Clydesdales. Following the parade, the annual Glee Club candlelight

concert will be presented at 7:30 p.m. at the steps of Old Main. Alumni Association President Richard Zimmerman will speak.

From 8 to 9:30 p.m., floats from the parade will be displayed on the Hetzel Union Building lawn. At 9 p.m., a bonfire and pep rally, featuring coach Joe Paterno, members of the football team and cheerleaders, will take place on Beaver Field, near Shields Building.

Beginning at noon on Saturday, the Hegeman Mummies String Band from Philadelphia will play for tailgaters in the Beaver Stadium parking areas. Kick-off for the game with Syracuse is 1:30 p.m. Following the game, the Alumni Association will host its annual Oktoberfest at the Nittany Lion Inn.

Memorial fund is established

The University Faculty Senate, in cooperation with the College of Education, has announced the establishment of the Oscar C. Barkman Memorial Fund in honor of the late executive secretary of the Senate. This fund, to be administered by the College of Education, will be used in an appropriate manner for the benefit of students and faculty in the College.

Dr. Barkman served as executive secretary of the Senate from 1972 until his death Aug. 13, 1982. During that time, he served as a friend and

counselor to the students, faculty, and staff of the University.

In 1982, Dr. Barkman received the McKay Donkin Award annually presented "to the member of the faculty or staff who has contributed most to the economic, physical, mental, or social welfare of the faculty of The Pennsylvania State University."

Contributions for the Oscar C. Barkman Memorial Fund may be sent to the Office of Gifts and Endowments, 100 Old Main, The Pennsylvania State University, University Park, PA 16802.



President Oswald receives United Way plaque from A. W. Clausen, right, president of the World Bank. With them is William Aramony, chief executive officer of the United Way of America.

United Way opens drive, honors President Oswald

The Centre County United Way has officially opened its 1982 fund raising campaign by honoring University President Oswald.

At a luncheon attended by United Way volunteers, Dr. Oswald was presented with two plaques for his service to United Way by Mary A. (Polly) Eddy, president of the Centre County United Way, and William Aramony, chief executive officer of the United Way of America.

Keynote speaker at the luncheon was A.W. Clausen, president of the World Bank and former member of the United Way of America Board of Governors.

Mr. Clausen praised Dr. Oswald for "his business skills, which have allowed Penn State to enjoy financial stability in a time when many educational institutions have suffered greatly; his personal warmth and openness, which have

endeared him to students and faculty alike; and his foresight in instituting long-range planning techniques as part of the University's management strategy."

"Through his active support and encouragement," Mr. Clausen added, "employee giving to United Way at Penn State increased 35.7 percent between 1979 and 1981."

He also noted that Dr. Oswald had been a charter member of the United Way of America's Long-Range Planning Committee, which was created in the mid-1970s to chart United Way's long-term course. Dr. Oswald later chaired a Subcommittee on Voluntarism and Public Policy that grew out of recommendations made by the Long-Range Planning Committee.

In part because of Dr. Oswald's

(Continued on page 3)



Among those attending the Graduate School's annual reception for minority graduate students last week were, from left, Marjorie Belton, a candidate in the Master of Public Administration program; Earl Merritt, a doctoral candidate in Human Development and Family Studies; Roosevelt Green Jr., assistant to the dean for minority affairs; and Dr. James B. Barto, dean of the Graduate School.

Italian students display map exhibit

An exhibit of cartographic work by visiting Italian students is on display through Oct. 11 on the ground floor of the Walker Building.

Fifteen students and three professors currently are in residence at the University Park Campus under an exchange program with the Departments of Architecture and Geography and the Institute of Urban Studies of the University of Rome.

The bulk of their studies is being taken in the Department of Architecture under the supervision of Pier L. Bandini, assistant professor of architecture. They also are attending lectures and taking field trips with members of the Geography Department, under the supervision of Dr. Allan Rodgers, professor of geography.

The exhibit, by four geography majors in the group, consists of 80 maps.

Search committee named for learning assistance center head

Dr. Robert E. Dunham, vice president for undergraduate studies, has appointed a search and screening committee for director of the Learning Assistance Center/Developmental Year Program.

Anne Herpel, basic skills coordinator, is committee chairman. Members are Dr. John T. Harwood, director of composition and freshman English; Huey P. Jones, adviser, Division of Undergraduate Studies; Dr. Murry R. Nelson, associate professor of education; Thelma T. Price, assistant vice president for special programs and services, Student Affairs, and Ronald Williams, Developmental Year coordinator, Department of Speech Communications.

The Learning Assistance Center is available to all students who need and desire learning assistance in study skills development, diagnosis of learning difficulties, and course related tutoring. The Developmental Year Program is designed for a designated population of educational opportunity students and returning veterans and provides, in cooperation with academic departments, special courses, advising, and support services.

The director, who reports to the vice president for undergraduate studies, is

responsible for providing academic leadership and overall administrative direction to both the Developmental Year Program and the Learning Center and to the integration of these two areas. Specific duties include, but are not limited to: budget administration, contract supervision, fund raising, staff supervision and development, research and evaluation, program development, proposal writing, and record keeping and analysis.

Candidates should have a record of higher education experience in the following areas: teaching, advising, and academic administration. Preference will be given to candidates who hold a doctorate, hold or have held faculty rank, have a successful record of fund raising, and who have had experience with a similar program.

Nominations and applications should be sent to Search Committee, 117 Old Main, Box 1, University Park, PA 16802. Applications should be accompanied by a complete resume and at least three current references. Nominations and applications should be received by Dec. 1.

It is anticipated that the candidate selected will be able to assume this position by June 1, 1983, or before.

College of Human Development to hold 'Action '82'

A speech by Thomas R. Donnelly, assistant secretary for legislation in the U.S. Department of Health and Human Services, will begin three days of "Action '82" activity Oct. 21-23 in the College of Human Development.

Mr. Donnelly will speak on "Current Perspectives in Human Services" at 9:30 a.m., Thursday, Oct. 21, in the Assembly Hall of the Hetzel Union Building on the University Park Campus.

"Action '82" brings together students, faculty and alumni of the College of Human Development for a series of speeches, conferences, classroom activities and panel discussions on topics of professional concern.

Following Mr. Donnelly's speech, a series of "curbside conferences" will be held on "Issues in Human Development from Here to 2000." All conferences will be held on the third floor of the HUB from 11 a.m. to 12:30 p.m. and will be repeated at 2 p.m.

The conference topics are: "Children's Prospects in an Uncertain World," Dr. Donald L. Peters, professor of individual and family studies; "Coping with Deviant

Behavior," Dr. Daniel Katkin, professor and head of administration of justice; "Do Old Folks Have a Future?" Dr. Joseph H. Britton, professor of human development; "Health Care in the Future," Dr. Annette S. Ezell, professor and head of the Department of Nursing; "Private Industry and Human Development," Dr. Ann C. Crouter, assistant professor of human development; and "Human Development in the Community Environment," Dr. Raymond G. Studer, Jr., professor of environmental design.

The public is invited to all of these sessions, including a general session featuring Dr. Teh-Wei Hu, professor of economics, that will be held at 3:30 p.m. Dr. Hu's topic will be "Prevailing Political and Economic Philosophies."

Dr. Gerald E. McClearen, associate dean for research and graduate study, working with the academic programs, will conduct a poster session on "Research and Continuing Education in Human Development," at a reception to be held at 4:30 p.m. in the Human Development Living Center.

Activities for Friday, Oct. 22, will

feature alumni speakers in various classrooms of the college all during the day.

Dr. Theodore R. Vallance, professor of human development, will conduct a general session open to students, faculty and alumni at 10 a.m. in Room 301 HUB. The topic will be "Issues Common in Human Development: A Core Curriculum for the College."

A faculty development luncheon will be held at noon in the HUB Ballroom with William H. Parsonage, director of Commonwealth Educational System Programs for the college, acting as host.

A series of departmental meetings and workshops on advising will be held for faculty that afternoon along with a nutrition educators continuing education workshop and faculty course consultations.

A reception at the Nittany Lion Inn will precede a banquet at 6:30 p.m. when awards will be presented to selected alumni, students and faculty of the College of Human Development. Dr. Evan G. Pattishall, Jr., dean of the college, will host the banquet.

The guest speaker, Kenneth Wickham, director of government relations for the United Way of Pennsylvania, will discuss "The Role of the Private Sector in Human Development Services."

On Saturday, Oct. 23, a meeting of the board of directors of the College of Human Development Alumni Society will be held from 9 a.m. to 3 p.m. in the Penn State Room of the Nittany Lion Inn.

Children safety seats available at University

Centre County parents may rent automobile safety seats for their children through a new program being offered by the University's Office of Emergency Medical Services, University Health Services.

"Kids in Safety Seats," called Project KISS, rents the seats to parents of infants up to ten months old for a nominal fee.

To borrow an infant seat from Project KISS, parents should call the EMS office at (814) 865-7211.

Bookshelf

M. Catherine (Kay) Hudspeth, interim director of the Developmental Year Program and instructor in mathematics, is the author of two books.

Introductory Geometry, published by Addison-Wesley, is a text specifically designed for the developmental student with no prior experience in the subject. The book presumes only a basic knowledge of first year algebra and the emphasis is on intuitive understanding, rather than on deductive proof.

Mrs. Hudspeth's second book, *Studying Mathematics*, published by Kendall/Hunt, was co-authored by Lewis R. Hirsch of Rutgers University. The study-skills text is specially designed to meet the needs of inexperienced students, particularly nontraditional or adult learners. It is a practical guide to studying college-level mathematics with chapters arranged in the order in which students will learn new skills.

Dr. James Garbarino, associate professor of human development, is the author of *Children & Families in the Social Environment*, published by Aldine Publishing Company of New York.

The 296-page text treats the family as a social system interacting with other social systems such as communities, neighborhoods, schools, service agencies and cultural institutions.

Prevention of disease and health promotion, rather than treatment, are the principal strategies outlined for improving the quality of life for children and families.

Assisting Dr. Garbarino in writing the book were several graduate students in the Individual and Family Studies Program. They are Robert H. Abramowitz, Joanne L. Benn, Mario Thomas Gaboury, Nancy L. Galambos, Anne C. Garbarino, Patricia A. Grandjean, Florence L. Long and Margaret C. Platz.



Joseph Mansfield, left, vice president for development; Karen Appleman, coordinator of the Penn State 4-H Riding for the Handicapped Program; and Dr. Samuel H. Smith, dean of the College of Agriculture, admire a Lipizan horse given to the University by Tempel Farms, Wadsworth, Ill. The Tempel Smith family has donated 25 Lipizan mares, valued at more than \$125,000, to the University for use in therapeutic horseback riding programs for the handicapped around the state.

Weidhaas mineral collection donated to Museum

An extensive mineral collection amassed by the late Ernest Weidhaas, of Pelham, N.Y., has been donated to the Earth and Mineral Sciences Museum of the College of Earth and Mineral Sciences.

The collection, valued at \$60,000, contains a wide variety of mineral specimens, many of them very rare and highly prized by mineral collectors. The collection, an important addition to the Museum's mineral holdings, includes both materials collected by Mr. Weidhaas himself and items gathered by other well-known mineral collectors whose collections he had purchased. One group of materials represents a special interest of Mr. Weidhaas — naturally occurring minerals that mimic in appearance such things as scenery, plants, and animals.

The collection is the gift of the collector's widow, Mrs. Cecilia E. Weidhaas, and his son and daughter-in-law, Ernest R. and Julia F. Weidhaas. Ernest R. Weidhaas is assistant dean for Commonwealth Campuses in the College of Engineering.

Selections from the Weidhaas collection will be displayed in the Museum in the Steidle Building at the University Park Campus on a regular basis. David Snell, curator, said exhibits will be changed frequently in order to show as many of the specimens as possible.

Other specimens will supplement the Museum's teaching and research materials. Some of the materials, Mr. Snell added, will be used to create

traveling exhibits that will be displayed at the University's various campuses in accordance with a desire expressed by the donors.

Ernest Weidhaas, who was born in 1888, was in the real estate business in New York City and assembled a collection of New York City minerals, both from excavations being made in the city and through exchanges with other collectors.

He also collected specimens over periods of years from several quarries in northern New Jersey and southern New York, making donations of materials found there to the American Museum of Natural History in New York City, and the Smithsonian Institution. His collection of New Jersey prehnites, outstanding examples of a pale green mineral, were displayed at the 1939 New York World's Fair and are now at the Smithsonian.

Described as perhaps his most noteworthy achievement in the field of mineralogy was the collecting and assembling of a group of tourmaline crystals from a quarry in Bedford, N.Y. Hundreds of sections of this very large crystal group were blown out of the quarry wall by a dynamite blast.

He and another well-known mineral collector, James G. Manchester, collected the pieces, and he spent more than a year matching and reassembling the crystal cluster. The finished product weighed 42 pounds and was given by the two men to the American Museum of Natural History. It is now pictured in mineralogical

references throughout the world.

Mr. Weidhaas was a charter member of the Mineral Society of America, a past president of the Westchester, N.Y., Mineral and Gem Society, and, at the

time of his death at the age of 88 in 1974, the oldest member of the New York Mineralogical Club. He was considered an amateur authority on numismatics and oriental art as well as mineralogy.



Dr. Charles L. Hostler, left, dean of the College of Earth and Mineral Sciences, examines a specimen of quartz from the Weidhaas collection donated to the Earth and Mineral Sciences Museum with Ernest R. Weidhaas, center, assistant dean for Commonwealth Campuses in the College of Engineering, and David Snell, Museum curator.

25-year award



Observing his 25th year with the University is Dr. H. Seymour Fowler, professor of education.

Renaissance Fund

past 12 years for needy scholars in medicine, science, art, business and other fields. The fund aids nearly 100 students each year.

The scholarships, now \$750 per student per year, will be raised to \$1,000 per year beginning with the fall semester, 1983. They go to young people who have shown intellectual promise but who lack the financial resources to pay for their own education.

Previous Renaissance Fund dinners have honored Justice Roy Wilkins, Jr. of Pennsylvania's Supreme Court, former State College Mayor Jo Hays, Dr. John H. Light of State College, W.K. Ulerich,

(Continued from page 1)

publisher of the Clearfield (Pa.) Progress, and former Penn State President Eric A. Walker.

Tickets for the dinner honoring Mrs. Palmer cost \$17 per person. Donations for the Renaissance Fund (which are not required to attend the event) may be made in the following categories: contributor, \$50; associate, \$100; patron, \$200; sponsor, \$500; benefactor, \$1,000; and angel, \$5,000.

Contributions or requests for tickets should be sent to Mimi Ungar Coppersmith, P.O. Box 77, State College, Pa. Checks should be made payable to the Penn State Renaissance Fund.

United Way (Continued from page 1)

frequent references to community service projects of Penn State students. Mr. Clausen said, United Way launched a national initiative in the area of youth and volunteerism.

"We have Jack Oswald to thank for helping increase our awareness of the special talents and the potential of tomorrow's leadership," he said.

Centre County United Way has established a goal of \$440,000 to help 28 human service agencies.

Carpooler

Kim Strack needs a ride or will share the driving from Lamar to the University. She works from 8 a.m. to 5 p.m. at Shields Bldg. and can be reached at either 863-1437 or (717) 748-2371 (after 6 p.m.).

News in Brief

A UCLA professor of management will present his theories on why Japanese companies are succeeding and how American business can meet the Japanese challenge at a one-day conference Tuesday, Oct. 19, at the Keller Conference Center.

Several hundred business, industrial, educational and governmental leaders from throughout the eastern United States are expected to attend.

Dr. William Ouchi, a Japanese-American himself, is author of the best selling book, *Theory Z Corporations: How American Business Can Meet the Japanese Challenge*.

Retail meat sales have resumed at the Meats Laboratory located near Beaver Stadium and will continue every Friday from 1:30 to 4 p.m.

The meat is from the University herds. The animals are slaughtered and the meat cut by students in the animal industry and food science classes.

The store carries all the retail cuts of beef, pork, and lamb which includes steaks, chops, hamburger, and sausage. Customers should be at the Meats Laboratory at or before 1:30 p.m.

at which time they will draw a number for service.

The Population Issues Research Center will sponsor a seminar on "Human Ecology and Rural Development: Competing or Complementary Perspectives" at 1 p.m. Tuesday, Oct. 12, in 101 Kern Bldg.

Dr. R. Brooke Thomas, associate professor of anthropology at the University of Massachusetts, will be the featured speaker.

The Applications Group of the Computation Center is holding Open House sessions, including tours, at 2 p.m. Tuesdays, beginning Oct. 12. The final Fall Term tour will be on Nov. 9. Interested faculty and staff members should meet in Room 110 Computer Bldg. Because of space limitations, reservations should be made by calling Carolyn Kresen, 863-0422.

Intercollegiate Athletics is making "Love Ya Lions" placards available to secretaries who wish to decorate their offices and office windows in keeping

with the spirit of support for all Penn State athletic teams.

The free placards may be obtained at either the Rec Hall Ticket Office or the Penn State Bookstore.

Faculty and staff members who would like to part with books they no longer use may contribute them to the World Agricultural Service Society, a club of students at the University that has shipped over 1,000 pounds of books to developing countries since May.

Faculty members and libraries of many departments at the University Park Campus have contributed over 7,000 pounds of materials during the initial drive. The scientific journals and books have ranged in content from statistics to chemistry to animal science.

Kirk Iversen, book drive coordinator, said that the society has shipped books to the agricultural colleges and research institutions of Kenya, Swaziland and Cameroon, and currently is receiving orders from Sri Lanka, China, and Nigeria.

Anyone interested in donating books or journals should contact Iversen at

865-4082 or the society, 106 Armsby Bldg., University Park, phone 863-0443.

An organizational meeting for the newly-established Center for Rural Women in the College of Agriculture will be held at 10 a.m. Thursday, Oct. 14, in 301-A Agricultural Administration Bldg.

The Center is designed to provide a focus for individuals and groups concerned with the problems facing rural women in a rapidly changing world.

Program priorities of the Center are to: promote and facilitate interdisciplinary research concerning rural women; to continue the workshops, seminars, and forums which have been an ongoing concern of a group of faculty, staff, and graduate students; to provide training and support services for the University's outreach programs, as well as for those persons concerned with women's role in international development.

Additional information on the Center may be obtained by contacting Eloise Murray, 865-5441.

The arts: Pat Carroll to portray Stein

In replacement of Claire Bloom who is unable to fulfill her engagement, the Artists Series will present Pat Carroll in a production of "Gertrude Stein Gertrude Stein" at 8:30 p.m. Sunday, Oct. 17, in Schwab Auditorium.

In her portrayal of the American writer Gertrude Stein, Carroll conjures up the excitement of the years when Gertrude and her brother Leo discovered Picasso and Hemingway, when she became angry at Joyce because he "opted for clarity," when she got to know Matisse and Rousseau.

But while Carroll reveals Stein as domineering, boastful, and vain, she is also vulnerable and surprisingly funny. The production is not merely a monologue, but as described in Time magazine, it is "a spell of words" in which "the past and present join to form an artful mosaic."

Pat Carroll has been performing "Gertrude Stein" since 1979 and has won the Drama Desk Award for "Best Actress of 1980" as well as the Outer Critics Circle Award for "Best Production of a Play." The company has toured 25,000 miles from coast to coast.

Pat Carroll's career has spanned 32 years in the professional theatre, beginning in community and little theatre as a teenager, continuing in USO and freelance radio acting as a college drama major, and playing over 250 roles in both

dramatic and musical comedies.

She has starred in television with such personalities as Danny Thomas, Carol Burnett, Danny Kaye, and Red Skelton. In addition, she has appeared on the talk shows of Johnny Carson, Merv Griffin, and Mike Douglas. In 1979, she left television to assume the role of Gertrude Stein.

Tickets will go on sale from 9:00 a.m. to 4:00 p.m. weekdays at the Eisenhower Auditorium box office beginning Tuesday, Oct. 12.



Pat Carroll

What would you do if you tried to talk and no words came out? Or worse, the words that did come out were not what you intended, but were garbled and unrecognizable? What if you knew what you were saying was right, but no one else understood?

This, unhappily, is the predicament of Emily Stilson, the lead in Arthur Kopit's "Wings." "Wings," directed by Robert S. Garber, will be presented by the University Resident Theatre Company at the Pavilion Theatre on Oct. 13-16. It is the story of Emily's struggle to rejoin the world around her after suffering a stroke, which has left her aphasic.

Each cast member has done extensive research in the area of strokes and stroke victims by observing individual and group therapy sessions of the clients at the Speech Therapy Clinic, located in Moore Building on the University Park Campus.

Helen A. Manfull, associate professor of theatre arts, who plays Emily Stilson, says that she feels the play is not just about strokes and stroke victims.

"It's bigger than that. There are two metaphors: flying and strokes. It is a play about courage and a play about fulfilling potential to the best of your ability. It's about the ability to hang on and go forward. It limits it too much to call it a play about strokes and stroke victims."

Other members of the cast include, Jeff Kramer as Billy, Pat Fawley as Mr.

Brownstein, Maya Spence as Mrs. Timmins, Catherine Dupuis and Wanda Melocchi as the nurses, Gregg Justice and Lyle Walford as the doctors, and David Felix, John Helfron, Jennifer Rako, Susan Riddford and Ed Shimp as attendants. Tickets are available at the URTC Box Office, phone 865-1884.

An exhibit of graphic art work produced by the staff of University Graphics Services is on display in the east corridor gallery of Pattee Library through Oct. 14. The multi-media show contains two-dimensional, three-dimensional and video animation designs representing the full range of services provided by University Graphics.

The work was produced for use in resident instruction, education conferences and research publications, as well as for broadcast and promotional applications of WPSX Television.

An exhibition of cast color porcelain by Jim Chaney is on display at the Kern Gallery through Oct. 22.

Mr. Chaney received an MFA in ceramics from Kent State University in 1975. He is currently an assistant professor of ceramics at Kutztown State College.

Penn State Press: new offerings

Urban Patterns — Studies in Human Ecology (revised edition). George A. Theodorson, editor. 470 pages. \$17.95.

It has become a standard text and reference in the field. The revised edition includes 32 new articles in addition to 24 original articles.

It is both a theoretical and an applied anthology divided into three parts. In Part I, leading sociologists and geographers deal with the history of the field from its beginnings in 1921 and reconcile conflicting current conceptions. Part II presents social ecology as a method for studying city ethnicity, neighborhood organization, mental illness and commuting patterns. Comparative studies from Latin America, Europe and Asia make up Part III of the book.

Dr. Theodorson, professor of sociology at the University, provides a critical overview in an introduction to each part.

Reviewers have commented that "Theodorson's introductory essays for the various sections provide an excellent

analysis of the development of ecological trends in sociology, nicely documented by the selections. He has succeeded admirably in giving perspective to both past and present usage, so that each reader can judge for himself the fruitfulness and possibilities of the different interpretations of ecology."

Dr. Theodorson is co-author with Achilles G. Theodorson of *The Modern Dictionary of Sociology* and with Nicholas Timasheff of *Sociological Theory*. He earned his Ph.D. at Cornell University and has been a Fulbright Professor at the universities of Vienna and Rangoon.

Undeclared War — Twilight Zone of Constitutional Power. Edward Keynes. 236 pages. \$17.95.

Dr. Keynes says that the U.S. Supreme Court has led the nation into the "twilight zone of concurrent power" by encouraging "the legislature and the executive to fuse their separate powers of war and defense into a national war

power whose only standard is the extraconstitutional one of success on the battlefield."

During the 20th century, Dr. Keynes states, presidents and Congresses have "transformed the President's constitutional authority to defend the nation against attack into a virtually unlimited power to initiate undeclared war and military hostilities."

The courts can play a limited role in restraining presidential power to conduct undeclared war, but only Congress can limit that power by requiring a prior consensus regarding military intervention.

Dr. Keynes examines the president's conduct in the Vietnam War and the legal challenges to his conduct of the war. He concludes that new theories are needed to guide Congress, presidents and courts in future struggles over distribution of war powers.

Dr. Keynes, professor of political science at the University, was a 1981 Alexander Von Humboldt Fellow and has been a visiting professor at the universities of Cologne and Kiel.

Theatre Business — The Correspondence of the First Abbey Theatre Directors: William Butler Yeats, Lady Gregory and J.M. Synge. Ann Saddlemyer, editor. 330 pages. \$20.

The letters published here cover the period from 1897 to 1909, before the opening of the Abbey Theatre in 1904 through the death of Synge in 1909.

They reflect the devotion of the three directors to theater business and show the historical significance of the Irish literary movement and the world-wide little theater and art movements in the early 20th century. "These movements," says Prof. Saddlemyer, "reflect a turning-away from sterile compromise towards a re-examination and re-rooting of culture; in Yeats's words, 'Repelled by what had seemed the sole reality, we had turned to romantic dreaming, to the nobility of tradition.'"

The book gives an introduction to the three directors and other important figures in the Abbey Theatre as well as a day-to-day look at the struggles and excitement of the theatre. The letters are annotated and followed by a selective bibliography.

Artists Series presents Annie

The Artists Series will present the Tony Award-winning musical "Annie" at 7:30 p.m. Thursday, Oct. 14, and at 8:30 p.m. Friday, Oct. 15, in Eisenhower Auditorium.

"Annie" opened in New York at the Alvin Theatre on April 21, 1977, more than fifty years after the birth of the continuing comic strip "Little Orphan Annie."

On Aug. 13, "Annie" became the eighth longest-running musical as it played its 2,213th performance at the Uris Theatre in New York. Well into its sixth year on Broadway, the stage musical continues to bring Annie's heart-warming story to audiences throughout the world. "Annie" is set in New York during the depths of the depression, December, 1933, and is the ultimate Cinderella story of a little girl's search for her lost parents.

Tickets are on sale from 9 a.m. to 4 p.m. weekdays at the Eisenhower Auditorium box office.



Cast from "Annie"

University Park Calendar

October 7 — October 21 Special Events

Thursday, Oct. 7
Bloodmobile, 10 a.m., 101 and 101-A Kern.
Kern Classics, *Our Man Flint*, 7 and 9 p.m., 112 Kern.

Friday, Oct. 8
Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker Bldg. C. Gregory Knight, geography, on "Energy in the Third World: The Librarian Assessment."
Commonplace Theatre, *Whose Life Is It Anyway?*, 7 and 9 p.m., 112 Kern.
Cinematheque, *The Bad Sleep Well*, 7 and 9 p.m., 121 Sparks.
Also Oct. 9.
Sports: soccer vs. Lock Haven, 7:15 p.m.

Saturday, Oct. 9
Shaver's Creek Environmental Center, Run for the Fall Colors, 10 K and Fun Run, 10 a.m. Registration: 238-5872.
Sports: field hockey vs. Rutgers, 1 p.m.; Artists Series, I Music, 8:30 p.m., Eisenhower Auditorium.

Sunday, Oct. 10
Shaver's Creek Environmental Center, Woodcutters Workshop, 2-5 p.m.

Monday, Oct. 11
Faculty Women's Club, brown bag luncheon, 11:45 a.m., 301 Agriculture Administration Bldg. Willard Martin on "The Amish."
T.V. Quarterback, noon, Kern Lobby.

Tuesday, Oct. 12
Shaver's Creek Environmental Center, Docent Enrichment Series, 9 a.m.-noon.
Registration: 238-5872.
Life on Earth Series, *A Conquest of the Waters*, noon, Kern Lobby.
Comp. Lit. Luncheon, 12:15 p.m., 204 HUB. David Palermo, psychology, "A Psychologist Looks at Metaphor."
Computation Center (Applications Group), Open House, including tours, 2 p.m., 110 Computer Bldg. Continues every Tuesday through November 9. Reservations: 863-0422.

Sports: field hockey vs. Temple, 3 p.m.; soccer vs. East Stroudsburg, 7:15 p.m.
APFLE Users Group meeting, 7:30 p.m., 189 Materials Research Lab.

Wednesday, Oct. 13
Shaver's Creek Environmental Center, Ecotour, Hiking at Rickett's Glen State Park, 7 a.m.-8 p.m. Registration: 238-5872.
Faculty Women's Club, Finance for Women, meeting, 9:30 a.m., 225 HUB. Mary Ann Miller, tax consultant, on "New Tax Laws."
Commons Concert, Five Bombers, noon, Kern Lobby.
URTC, Kopti, Wings, 8 p.m., Pavilion. Also Oct. 14, 15, 16.

Thursday, Oct. 14
Instructional Development Program seminar, "Coping with Large Classes," 3:4-3:50 p.m., 305 HUB. Also Oct. 13, 9:30-11 a.m.
Lecture, 4 p.m., North Lounge, HUB. Maxine Green, Columbia Univ., on "Re-creating a 'Public' in a Fragmented Society: Has University Teaching and Learning a Role?"
"The Arts and General Education: Aesthetic Experience," 7:30 p.m., 111 Boucke.
Artists Series, June, 7:30 p.m., Eisenhower Auditorium. Also Oct. 15, 8:30 p.m.
HUB Craft Center Open House, 7:30-9:30 p.m., 312 HUB.
Penn State Game of the Week, noon, Kern Lobby.

Friday, Oct. 15
Shaver's Creek Environmental Center, Ecotour, Hawk Mountain Sanctuary, 6:15 a.m.-7 p.m. Registration: 238-5872.
Lecture, 11 a.m., 112 Kern. Maxine Green, Columbia Univ., on "Curriculum and Teacher Autonomy."
Sports: IV football vs. Fork Union Military Academy, 2 p.m.; soccer vs. Long Island, 7:15 p.m.
M.E. John lecture series, 3:30 p.m., 301 Ag. Adm. Dr. Lawrence Fousaker, Harvard Univ., on "The Transfer Equation."
Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker Bldg. Rodney Erickson, geography, on "The Condition of England."

Homecoming parade, 5:30 p.m.; Glee Club candlelight concert, 7:30 p.m., Old Main steps; Bonfire and pep rally, 9 p.m., Beaver Field.
Cinematheque, *Irru (To Live)*, 7 and 9 p.m., 121 Sparks. Also Oct. 16.

Saturday, Oct. 16
Sports: men's fencing, Alumni Invitational; men's cross country, Nittany Lion Classic, football vs. Syracuse (homecoming).

Sunday, Oct. 17
HUB Craft Center second session classes begin.
Shaver's Creek Environmental Center, Fall Explorations Walk, 2-4 p.m., Stone Valley.
Artists Series, Pat Carroll: Gertrude Stein, 8:30 p.m., Schwab.

Monday, Oct. 18
T.V. Quarterback, noon, Kern Lobby.
France-Cinema, Malle, *Frantic*, 7 and 9 p.m., 112 Kern.

Tuesday, Oct. 19
Shaver's Creek Environmental Center, Ecotour, Baltimore National Aquarium, 6:45 a.m.-8 p.m.; Docent Enrichment Series, 9 a.m.-noon. Registration: 238-5872.

Math, 4 p.m., 102 McAllister. Boris Mityasin, Ohio State, on "Nonlinear Boundary Problems."
Acoustics, 4 p.m., 73 Willard. Earl Geddes on "Low Frequency Sound Fields in Non-Rectangular Enclosures."
Fuel Science, 4 p.m., 301 Steidle. Ljubisa Radovic on "Importance of Catalysis and Carbon Active Sites in Lignite Char Gasification."
Friday, Oct. 8
Analytical Chemistry, 10 a.m., 55 Osmond. Harry Gold, Univ. of Delaware, on "Inelastic Tunneling Spectroscopies of Catalysts."
Speech, 4 p.m., 227 Sparks. Mary Mino on "Oral Interpretation as a Prelude to the Formalized Speech for Communication Apprehensive Students."
Monday, Oct. 11
Entomology, 3:50 p.m., 204 Patterson. Winand K. Hock, plant pathology, on "Legal Requirements of Pesticide Registration."
Plant Pathology, 3:55 p.m., 213 Buckhout. Gregory Hunt on "The Efficacy of Injecting Elm Trees with Methyl 2-benzimidazole

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

American Studies and Religious Studies, 7:30 p.m., 101 Kern. Jim Alan and Selena Fox on "Goddess Spirituality in America."
Friday, Oct. 15
Analytical Chemistry, 10 a.m., 55 Osmond. Steven Zabarneck on "Oxidation of Ethoxy Radicals."
Speech, 4 p.m., 227 Sparks. Peter Christenson and Tom Lindolf on "Children and the Audio Media."
Monday, Oct. 18
Entomology, 3:50 p.m., 204 Patterson. Richard K. Jansson on "Population Dynamics of the Green Peach Aphid on Different Cultivars of Potatoes"; Steve Hoffman on "Screening Tests of an Insect Growth Regulator, Technical Substances CCA-72662, in the Control of a Muschomorphing Sciarid Fly, *Loricella maki* (Fitch) (Diptera: Sciaridae)."
Plant Pathology, 3:55 p.m., 213 Buckhout. Mark Spear on "Linkage and Incomplete Meiosis in a Strain of *Agrobacterium tumefaciens*."
Biochemistry, Microbiology and Molecular and Cell Biology, 4 p.m., 101 Althouse. Ronald Kluger, Univ. of Toronto, on "The Active Site of Thiamine Dependent Decarboxylases."
Tuesday, Oct. 19
Chemistry, 12:45 p.m., 55 Osmond. Clayton Heathcock, Univ. of California, Berkeley, on "Recent Developments in Organic Synthesis."
Chemical Engineering, 3:30 p.m., 140 Fenske. Keith E. Gubbins, Cornell Univ., on "Theory and Computer Simulation of Non-Ideal Liquid Mixtures."
Thursday, Oct. 21
Ceramic Science, 11 a.m., 301 Steidle. Joe Balasio, Motorola Inc., on "Advances in the Growth of Quartz."
Organic/Inorganic, S. Rosenberg, 12:45 p.m., 55 Osmond.
Air Pollution Control, 2:20 p.m., 69 Willard. Judy Graham, Environmental Protection Agency, on "Effects of Air Pollutants on Host Defenses Against Pulmonary Infections."
Fuel Science, 4 p.m., 301 Steidle. Tim Golden on "Separation of Oxygen and Nitrogen by Various Cation Exchanged Mordenites."
Acoustics, 4 p.m., 73 Willard. Roger Gaumond, bio-engineering, on "Using Scalp Surface Voltage Measurements to Identify the Neural Source of the Brainstem Acoustic Evoked Response."

Exhibits

Kern Gallery
Gallery hours: Monday through Saturday, 8 a.m.-11 p.m.; Sunday, noon-11 p.m.
Ken Simmons, photography, through Oct. 11. Hand Made Feather Masks.
Betty Ayers, prints, opens Oct. 14.

Museum of Art
Museum hours: 11 a.m.-4:30 p.m. Closed Mondays. Museum Tours, Sundays, 1:30 p.m.
The England of William Penn, 1644-1718. Selections from the Museum's Collection. Working People: Photographs by Milton Rogovin, opens Oct. 10.

Pattee Library
East Corridor Gallery
University Graphic Services Collection by the Staff, through Oct. 14.
Tom Hubben and Barb Dewilde, paintings, opens Oct. 14.
Lending Service Lobby
Kathryn M. Levonas, drawings of John Lennon, through Oct. 21.
Rare Books Room
World's Fairs, through Oct. 15.
"B. Traven?" An exhibit in honor of the Traven Conference, Oct. 20-Nov. 20.

Visual Arts Bldg. Zoller Gallery
Gallery Hours: 9 a.m.-5 p.m., Monday through Friday, Saturdays and Sundays, 1-5 p.m.
School of Visual Arts faculty exhibition.

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William E. Campbell, Jr., Editor
Calendar Editor — 865-2501



An exhibition of handmade feather masks is on display at the Kern Gallery through Oct. 27. The masks, which may be purchased, are hand made by Lauren Abrams, of Pittsburgh, with all natural feathers glued on individually.

Museum of Art, gallery talk, 10:30 a.m. Hedy B. Landman, museum consultant, on "Decorative Arts of Stuart England."
Life on Earth Series, *Invasion of the Land*, noon, Kern Lobby.
Comp. Lit. Luncheon, 12:15 p.m., 204 HUB. Jeanne Porter, art history, "Iconography in the Seventeenth Century."
Wednesday, Oct. 20
Fixed date for meetings involving Commonwealth Campus faculty.
Commons Concert, Alleghany String Band, noon, Kern Lobby.
Artists Series, *I'm Getting My Act Together and Taking It On The Road*, starring Connie Stevens, 8:30 p.m., Eisenhower Auditorium.
Thursday, Oct. 21
Fixed date for meetings involving Commonwealth Campus faculty.
Human Development Action '82, Human Development Services: From Here to 2000, 8:30 a.m., HUB Main Lobby. Also Oct. 22, 23.
Penn State Game of the Week, noon, Kern Lobby.
Kern Classics, *Laurence of Arabia*, 7:30 p.m., 112 Kern.

Seminars

Thursday, Oct. 7
Chemistry, John P. McMurtry, Cornell Univ., 12:45 p.m., 55 Osmond.
Air Pollution Control, 2:20 p.m., 69 Willard. Gerhard G. Reethof, mechanical engineering and dir., Noise Control Lab., on "Acoustic Agglomeration of Sulfuric Particles."
Anthropology, 3 p.m., 107 Carpenter. William Abruzzi, anthropology, Ogmont on "Ecological Theory and Mergon Colonization in the Little Colorado River Basin."
Linguistics, 4 p.m., 17 Sparks. John McCarthy, Univ. of Texas, on "Language Games in Nonconcatenative Morphology."

carbamate as a Control of Dutch Elm Disease — A Controversy"
Biochemistry, Microbiology and Molecular and Cell Biology, 4 p.m., 101 Althouse. Helen Fern, Miles Laboratories, "Biochemistry and Health is More Than Taking Medicine When You Are Sick."
Tuesday, Oct. 12
Organic/Inorganic, Dr. G. Whitesides, Harvard, 12:45 p.m., 55 Osmond.
Population Issues Research Center, 1 p.m., 101 Kern. R. Brooke Thomas, Univ. of Massachusetts, on "Human Ecology and Rural Development: Competing or Complementary Perspectives."
Chemical Engineering, 3:30 p.m., 140 Fenske. Guy C. Berry, Carnegie-Mellon Univ., on "Rheology of Polymeric Fluids Containing Suspended Particles."
Geosciences, 3:45 p.m., 112 Walker. Peter Olson, Johns Hopkins Univ., on "Convective Mixing in the Earth's Mantle and the Nature of the 670 Kilometer Discontinuity."
Thursday, Oct. 14
Ceramic Science, 11 a.m., 301 Steidle. Elbert Werner, Corning Glass Works, on "Anticipating and Preventing Malfunctions in Glass Melting."
Chemistry, 12:45 p.m., 55 Osmond. A.W. Castleman on "The Aggregated State of FMat: On the Way to Being Condensed."
Air Pollution Control, 2:20 p.m., 69 Willard. William D. Taylor, molecular and cell biology, on "Mutagenic Effects of Environmental Pollutants."
Math, 4 p.m., 102 McAllister. Roger A. Horn, Johns Hopkins Univ., on "Nonintegral Powers of Positive Definite Matrices."
Acoustics, 4 p.m., 73 Willard. Thomas Frank, communication disorders, on "Telephone Amplification Devices for the Hearing Impaired."
Fuel Science, 4 p.m., 301 Steidle. Leo McGahan on "Laser Pyrolysis of Coals."

Partings

George L. Thuring, professor of industrial engineering and director of management and systems engineering in the Office of the Vice President for Business, retired Sept. 30 with emeritus rank after more than 35 years service.

He came to Penn State in 1947 as a faculty member in the College of Engineering's Department of Industrial and Management Systems Engineering. In 1962, at the request of the vice president for business, he organized the University's Department of Management Engineering. The department, one of the first of its kind at a university, was established to apply industrial engineering principles to University operations.

One of Prof. Thuring's major responsibilities has been working with the University's Arrangements Committee solving space problems and reassigning space.

Prof. Thuring, who has served as an adviser to graduate students in his academic department, has published and presented papers to numerous engineering and other professional societies. He has served as a consultant to companies and organizations in the U.S., Colombia and Mexico. At Penn State, he served on several committees of the University Faculty Senate, as well as on many administrative committees.

Currently a vice president of the American Society of Mechanical Engineering, Prof. Thuring is a past chairman of the Management Division of the Society. He also has served as chairman of the Industrial Engineering Division of the American Society for

Engineering Education and as a national director of the American Institute of Industrial Engineering.

Prof. Thuring is a registered professional engineer in Pennsylvania who received his M.S. degree in industrial engineering from Penn State. He also holds a B.S. degree and a professional degree in mechanical engineering from the University of Wisconsin.



George L. Thuring

William L. Koch, escort service aide at Hershey, from April 23, 1973, to Oct. 2.

Emma L. Gibboney, clerk, records in Commonwealth Educational System, from Sept. 11, 1972, to Oct. 1.

Alan R. Mikula, senior instructional services specialist at Altoona, from Sept. 1, 1970, to Aug. 1.

Dr. David E. Binnie, assistant professor of physics at Fayette, from Sept. 20, 1971, to July 1.

Craig W. Shellhamer, assistant professor of physical education at Schuylkill, from Sept. 1, 1969, to July 1.

Obituaries

Dexter N. Putnam, who retired June 30, 1981, as professor of dairy science Extension after almost 25 years of service, died Sept. 20. He was 66.

Since joining the University in 1956, Professor Putnam was responsible for the development and continued operation of electronic data processing of dairy production records through the Pennsylvania Dairy Herd Improvement Association.

He received a bachelor of science degree from the University of New Hampshire and a master of science degree from West Virginia University.

Memorial contributions may be made to the Ag Arena, Office of Gifts and Endowments, 100 Old Main, University Park, 16802.

Forest Bish, a guard at the Applied Research Lab from June 1, 1950, until Nov. 30, 1959, died Sept. 16 at the age of 87.

Ronald E. Fink, engineering aide and senior engineering aide at the Applied Research Laboratory since June 1, 1963, died Sept. 26. He was 51.

Promotions

Staff Exempt

Cecilia M. O'Leary to coordinator for in-service training and quality control at Hershey.

Keith D. Wheeland to assistant director of systems planning & development in Management Services.

Staff Non-Exempt

Linda A. Casoria to research technician at Hershey.

Belinda A. Colyer to data extraction specialist in Agriculture.

Linda A. Heisey to licensed practical nurse/meds at Hershey.

Constance Q. Mahar to senior research technologist at Hershey.

Maria R. Mariani to licensed practical nurse/meds at Hershey.

Kathryn A. Noble to licensed practical nurse/meds at Hershey.

Cora K. Pepper to respiratory therapist at Hershey.

Helen T. Rockwood to respiratory therapist at Hershey.

Judith A. Rutt to licensed practical nurse/meds at Hershey.

Daryl A. Shaffer to respiratory therapist at Hershey.

Margaret B. Taylor to administrative aide at Ogontz.

Clerical

Donna J. Campbell to secretary C in Business Administration.

Doris R. Cauffman to Secretary B at Mont Alto.

Barbara L. Clouser to secretary B in Engineering.

(Continued on page 7)

Penn Staters

Dr. Sumer C. Aggarwal, professor of management science and operations management, gave faculty seminars on "Productivity and Profits of Industrial Enterprises around the World: Symptoms and Cures" at Punjab University, Chandigarh, and Delhi University in India this summer.

Dr. Gerard J. Brault, professor of French, delivered a paper entitled "Les retouches du reviser du manuscrit d'Oxford de la Chanson de Roland" at the Ninth International Congress of the Societe Rencesvals (pour l'etude des epopees romanes) in Padua, Italy. Dr. Brault was re-elected vice president of the Society for another three-year term.

Dr. G.W. Brindley, professor emeritus of mineral sciences, presented a paper on "Interstratified Clay Minerals" at the annual Clay Minerals Conference in Hilo, Hawaii.

Dr. Alan Davis, professor of geology and assistant director of the Coal Research Section in the College of Earth and Mineral Sciences, spent several months as a visiting professor at the University of Wollongong, Australia.

While there, he led a workshop on coal petrographic methods, held under the auspices of the Australian Academy of Sciences and the Coal Group of the Geological Society of Australia, and lectured on the influence of coal composition on liquefaction behavior under sponsorship of the Victorian Brown Coal Council and the Geological Society of Australia's Coal Group.

Dr. Turay Ertekin, assistant professor of petroleum and natural gas engineering, served as one of three organizers of a NATO Advanced Study Institute on Heavy Oil Recovery as

Applied to Carbonate Reservoirs held in Ankara, Turkey. Three other petroleum and natural gas engineering faculty members participating in the Institute were Drs. R.H. Jacoby, Mark Klins, and C.D. Stahl.

Dr. Luis F. Gonzalez-Cruz, professor of Spanish at the New Kensington Campus, presented a paper, "A Reconciation of Opposites: the Cruz in the Poetry of Saint Teresa," at the First International Congress on Saint Teresa and the Origins of Spanish Mysticism in Guadalupe, Spain.

Dr. Ralph T. Heimer, professor of education, presented a seminar on computer-based education at the University of Santiago, Chile, and served as consultant for developing a graduate program in mathematics education.

Dr. Edwin L. Herr, head of the Division of Counseling and Educational Psychology, served as co-chairman of a roundtable on "Counseling and a Society in Crisis" sponsored by the International Round Table for the Advancement of Counseling at the University of Lausanne in Switzerland.

Louis Leopold, instructor in political science at the Altoona Campus, presented a paper entitled "Tensions Between Human Rights and Foreign Policy: the U.S. Experience as a Case Study" at the 12th World Congress of the International Political Science Organization in Rio de Janeiro, Brazil.

Dr. Barnes W. McCormick, professor and head of the Department of Aerospace Engineering, has been named to the board of directors of the Accreditation Board for Engineering and Technology, Inc. He is serving as the representative director of the American Institute of Aeronautics and

Astronautics. Dr. McCormick also has been elected to a committee to formulate the American Helicopter Society Educational Committee.

Dr. Howard B. Palmer, professor of energy science and associate dean of the Graduate School, participated in the Nineteenth International Symposium on Combustion at the Technion-Israel Institute of Technology, Haifa, Israel.

Dr. Forrest J. Remick, assistant vice president for research and graduate studies and professor of nuclear engineering, has been appointed by the Nuclear Regulatory Commission to its Advisory Committee on Reactor Safeguards (ACRS). The ACRS is an independent group of advisors established by law to assist the Commission with regard to the safety aspects of proposed and existing nuclear reactor facilities and the adequacy of proposed reactor safety standards.

Dr. Guy E. Rindone, professor emeritus of ceramic science and engineering, gave an invited lecture on "Glass Microstructure Formation - A Defect-Related Process" at the 2nd International Otto Schott Colloquium in Jena, East Germany.

Dr. Rustum Roy, director of the Materials Research Laboratory, has been appointed to a three-year term on the Advisory Committee of Stanford University's College of Engineering.

Dr. K. Warner Schaie, professor of human development and psychology, has received the 1982 Distinguished Scientific Cooperation Award of the Division of Adult Development and Aging of the American Psychological Association for "outstanding scientific

contributions to the psychological study of adult development and aging."

Dr. Peter A. Thrower, associate professor of materials science, has been named editor-in-chief of *Carbon, An International Journal*. He is currently serving as an associate editor of the publication which is a bimonthly sponsored by the American Carbon Society and published by Pergamon Press.

Dr. Loren D. Tukey, professor of pomology, presented two papers, "Fruit Tree Density and Productivity" and "Vegetative Control and Fruiting on Mature Apple Trees Treated with PP 333," at the 21st International Horticultural Congress in Hamburg, West Germany. He also visited various research stations and institutes, and fruit production areas in West Germany.

Dr. Paul Welliver, professor of education, has been chosen president-elect of the 6,000-member Association for Educational Communications and Technology.

Dr. Joseph L. Wysocki, associate professor and family housing specialist in the College of Agriculture, has been installed as president of the American Association of Housing Educators. He also has been named president-elect of the Pennsylvania Home Economics Association and will be installed at the group's 1983 annual meeting.

Dr. Thomas D. Yawkey, associate professor of early childhood education, co-authored, with Susan L. Trostle, graduate assistant, *Learning is Child's Play*, published by Brigham Young University Press, Provo, Utah.

Appointments

Dr. C. Gregory Knight, professor of geography, has been named head of the Department of Geography. He succeeds Dr. Ronald F. Abler, who headed the department for the past six years and will now devote full time to teaching and research.

Dr. Knight joined the University faculty in 1971 as an assistant professor, becoming associate professor in 1973 and professor in 1979. In 1977-78, while on sabbatical leave, he served as visiting professor of geography at the University of life, and honorary visiting scientist at the International Institute of Tropical Agriculture, both in Nigeria.

Before coming to Penn State, he served two years on the University of Kansas geography faculty, and spent a year as a research associate at the University of Dar es Salaam in Tanzania, where he did research for his doctoral dissertation.

He received his A.B. cum laude from Dartmouth College in 1963, and his M.A. in 1965 and his Ph.D. in 1970 at the University of Minnesota. He is currently serving as editor of *Resource Publications in Geography*, published by the Association of

American Geographers. His teaching and research interests lie in the areas of human-environmental systems, energy and water, resource management, mathematical modeling, and Africa.

Dr. James J. Reuther, assistant professor of fuel science, has been named director of the Fuels and Combustion Laboratory. He succeeds Dr. Robert G. Jenkins, associate professor of fuel science, who will devote full time to teaching and research.

Established in 1949, the laboratory is the University's center for advanced research by fuel science faculty and graduate students on the burning of a variety of fossil and other fuels. Now located in a building that was originally the heating plant for the east end of the University Park Campus, the laboratory is scheduled to be relocated to a new academic activities building to be constructed at the corner of Bigler and Hastings Roads. Dr. Reuther will have primary responsibility for design of the new laboratory.

A member of the University faculty



C. Gregory Knight



James J. Reuther

since 1978, Dr. Reuther received his B.A. from the State University College at Oneonta, N.Y., his M.A. from the State University of New York at Binghamton, and his Ph.D. from Penn State.

His current research involves studies of combustion phenomena and how the

compositional properties of fuels determine their combustion behavior. He is also doing research on the chemical and physical suppression of unwanted combustion such as mine explosions caused by coal dust and fires in submerged submarines.

Educational thought leader to speak

Dr. Maxine Greene, a leading contributor to modern educational thought, will discuss "Re-creating a Public" in a featured Symposium: Has University Teaching and Learning a Role? at 4 p.m. Thursday, Oct. 14, in the Hetzel Union Bldg. North Lounge.

The lecture is sponsored jointly by 12 University groups organized through the College of Education. Dr. Larry D. Spence, associate professor of political science, and Francine R. Hultgren, assistant professor of home economics education at the University of Maryland, will respond to Dr. Greene's lecture.

Dr. Greene, professor of philosophy and education at Teachers College of Columbia

University, also will speak on "The Arts and General Education: Aesthetic Experience" at 7:30 p.m. Oct. 14 in Room 111 Bocke and on "Curriculum and Teacher Autonomy" at 11 a.m. Oct. 15 in Room 112 Kern. All lectures are open to the public.

Dr. Greene was president last year of the American Educational Research Association and is author of numerous books and articles on education concepts and trends. Holder of the William F. Russell Chair in the Foundation of Education at Teachers College, she was chosen "Educator of the Year" by Phi Delta Kappa (national education honor society) chapters at Ohio State University

(1978) and Columbia University (1973).

Since 1976, she has been director of the Teachers College-Lincoln Center Project in the Arts and Humanities and consultant for the Lincoln Center Institute in Aesthetic Education.

Co-sponsors for Dr. Greene's visit include: the Graduate School, Office of Undergraduate Studies, Colleges of the Liberal Arts, Arts and Architecture, Education, Health, Physical Education, and Recreation, and Human Development; Phi Delta Kappa; Center for Value Studies and Professional Ethics; Institute for the Arts and Humanistic Studies; Colloquy; and Continuing Seminar on Pedagogical Renewal.



Maxine Greene

(Continued from page 6)

Kathryn K. Tremblay to clerk, receptionist A at Ogontz.

Technical Service

George R. Bell to custodian at Hershey.
Robert M. Epler to utility worker at Hershey.
Albert Johnson to pharmacy technician in Health Services.
Ann E. Mancini to photographic technician in Commonwealth Educational System.
Howard M. Moore to poultry worker, general in Agriculture.
Brenda A. Ropchok to stockroom/equipment technician in Engineering.

Faculty/Staff Alert

University employees often acquire additional skills or knowledge through course work, training programs, and individual study that they didn't have when they initially joined the University. In addition, an employee may gain experience in another field through outside activities.

The University's Employment Division says it is very important to know about all such skills or knowledge when an employee applies for promotion to another job. Unless the employee provides this information, his or her file may contain only information on

education, training or other experience provided either at the time the person joined the University or last had contact with the Employment Division.

The Employment Division urges every employee to consider whether he or she can add to the information currently on file and to remember that such information should be updated when appropriate. Persons who wish to do so should request a biographical data form from the Employment Division, 117 Willard Bldg., 865-1387 (Network 475-1387), or submit a revised resume.

Promotions

Valerie Cuppert to correspondence typist A in Physical Plant.
Regina Dubbs to clerk, typist A in Physical Plant.
Carol J. Duda to conference secretary in Commonwealth Educational System.
Helen B. Jabbo to clerk, gift records in Gifts and Endowments.
Brenda A. Martin to technical secretary C in Engineering.
Antoinette E. McClusick to clerk, typist B in Engineering.
Diana F. Moore to secretary C in Student Affairs.
Ellen C. Moyer to secretary B in Science.
Sandra L. Thompson to secretary A in Gifts and Endowments.

Award given to Sieminski

Roseann Sieminski, right, financial officer for the College of Business Administration, receives the 1982 Charles R. Chambers Memorial Award from Mrs. Chambers.

The award was established in 1979 by the family and friends of the late Mr. Chambers who was director of accounting at the University from 1967 to 1977. The award honors employees of the Controller's Office who "exhibit a conscientious and dedicated attitude toward their professional responsibilities above that normally expected or required."

Upon graduation from the University in 1973, Mrs. Sieminski joined the Controller's staff as an accounting trainee and was named to her present position in 1978.



Calendar Council report

The largest unresolved issue in the conversion to a semester calendar is the status of the summer session, members of the Calendar Conversion Council were told last week.

Dr. James B. Bartoo, Council chairman, said one of the more important issues surrounding the conversion is the eight-week summer session.

"The purpose of the summer session," he added, "is up in the air because of a number of unanswered questions such as the admission of freshmen, tuition schedule, and determination of the operating budget."

"I hope that by the end of Fall Term we have a resolution of some of these important matters related to the summer session."

In a report from the University Faculty Senate Curricular Affairs Committee,

Eugene S. Lindstrom said there will be 7,757 courses, including 4,956 undergraduate and 2,801 graduate, in the semester calendar, compared with 7,164, of which 4,564 are undergraduate and 2,600 graduate, in the term system. The figures, he told the Council, are inflated since applied courses in the School of Music are listed. Without them, he pointed out, the total for the semester calendar would be 7,301.

In other business at its Sept. 29 meeting, Council:

— Discussed items to be included in the next issue of the Semester Calendar Newsletter.

— Received a report from its Communications Committee and another on the 15-week semester from James Dungan, Council secretary.



University students examine the land grant frescoes in the lobby of Old Main during an open house tour sponsored by the Lion Ambassadors and the Alumni Association.

Photo: Scott Johnson

Senate seeks secretary

Candidates for the position of executive secretary of the University Faculty Senate are invited to submit applications and nominations along with dossiers to the Office of the Provost, 205 Old Main, University Park Campus, by Oct. 20.

The executive secretary assists the Senate chairperson in coordinating Senate activities; attends certain committee meetings; supervises and edits publications of the Senate; informs Public Information and the media about Senate activities; designs, collects, analyzes and reports research; supervises the keeping of records for reference; plans and maintains the Senate budget; handles Senate communications; supervises the Senate Office; interprets standing rules

and policies, and performs numerous other duties.

The position requires a person with a terminal degree who currently holds an academic rank at the University. For the first year, it will be a full-time administrative position.

An Advisory Committee appointed by Provost Eddy has recommended that the executive secretary thereafter resume faculty responsibilities on a part-time basis in addition to the administrative work. The position has been reclassified as "Academic Administrator."

Dr. Nancy M. Tischler, immediate past-chairman of the Senate, is serving as chairman of the advisory committee.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Oct. 14, 1982. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

● Publications Assistant, Commonwealth Educational Systems, University Park — Duties include preparing layouts of printed materials and graphics; assisting in preparation of printing specifications; record keeping on publications, and contacts with printers and others; coordinating billing and insuring that it is in accordance with specifications; training clerical personnel at Commonwealth Campuses in procedures involved in placing orders with Addressing Service; assisting in design and copywriting of advertisements; maintaining historical files of publications; proofreading, taking photographs for publications, and performing other duties as assigned by the head

of publications. Bachelor's degree in English, journalism, business or related field, plus six months to one year of effective experience in publications production. THIS IS A FIXED TERM POSITION FUNDED THROUGH JUNE 30, 1983.

● Systems Analyst, Management Services, University Park — Responsible for assisting customers/users in defining information-handling problems, in assessing plausible alternative technical solutions, and in specifying system design which can be effectively implemented within the processing technologies available to Management Services. Specific functions include: fact finding (data gathering and analysis), task planning, cost-benefit and feasibility studies, systems documentation, information flow and utilization analyses. Bachelor's degree or equivalent with training in computer systems and systems planning plus two to four years of effective experience in data processing.

There are positions in certain work units that, because of the large number of such positions, frequently are still available after employees in the work unit have been considered. They are listed below and will not be listed on an individual vacancy basis. Application for such positions may be made at any time, and you are welcome to make your interests known now to the Employment Division for future consideration when such vacancies occur.

These positions are:

POSITION TITLE

Assistant Food Services

LOCATION

Housing and

Food Services

News in Brief

"China under Deng" will be the theme of a panel discussion at 7:30 tonight in Room 305 Hetzel Union Bldg. President Oswald, who led a Penn State academic delegation to China in 1974, will be the panel moderator.

Panelists are: Dr. Richard G. Cunningham, vice president for research and graduate studies, who recently returned from a China trip, speaking on China's academic scenes; Dr. Jan S. Prybyla, professor of economics, who visited China during the summer, speaking on the Chinese economy; Dr. Parris H. Chang, professor of political science, commenting on China's latest leadership changes and political developments, and Dr. Vernon V. Aspturian, Evan Pugh professor of political science, speaking on Chinese foreign policy, particularly Sino-U.S. and Sino-Soviet relations.

The program is co-sponsored by the Asian Area Committee and the East Asian Studies Society.

A Satisfactory Academic Progress Standard for Federal Student Assistance Programs has been adopted at the University.

The new standard, which has been approved by the President's Administrative Policy Council for the 1982-83 academic year, places Penn State in full compliance with federal student aid regulations.

The policy establishes minimum levels of achievement and lengths of study for associate, baccalaureate and graduate degree students, as well as provisional students.

Copies of the standard are available in the Office of Student Aid, 335 Boucke Bldg. It will be included in the new edition of the Student Handbook.

Dr. George M. Whitesides, professor of chemistry at Harvard University, will deliver the first of two Dreyfus Lectures series at the University Park Campus Oct. 11 through 15.

The lectures are supported by a Dreyfus Foundation grant to the Department of Chemistry. The second series will be held in the spring.

Dr. Whitesides' schedule is as follows: "Organometallic Chemistry of

Soluble and Surface Platinum Alkyls," Oct. 11, 4:15 p.m.; "Organic Synthesis Using Enzymatic Catalysis," Oct. 12, 12:45 p.m.; "Organic Polymer Surface Chemistry," Oct. 13, 4:15 p.m.; "Corrosion and Catalysis: Grignard Reagents: Poisoning of Heterogeneous Catalysts; Applications of Electrochemistry to Heterogeneous Catalytic Mechanisms," Oct. 14, 12:45 p.m., and "Opportunities for Research in Organic Chemistry," Oct. 15, 2:15 p.m. All lectures will be given in 55 Osmond Laboratory.

Mobil Foundation has pledged \$100,000 to the University for fellowships for students from the United Republic of Cameroon's University of Yaounde.

The grant would be used for fellowships in engineering, earth sciences and business administration. Graduate students, faculty members and administrators from the University of Yaounde will be eligible to participate in the program, which runs from 1983 through 1986. Two persons will be chosen to receive the fellowships each year.

The grant was formally confirmed by Alex Massad, president of Mobil's Exploration and Producing Division; President Ahmadou Ahidjo of Cameroon and Provost Eddy.

Previously, it was announced that the Shell Companies Foundation, Inc., has established a fellowship for graduate students in energy-related fields from Cameroon.

Candidates for these fellowships will be nominated by the University of Yaounde, in collaboration with energy authorities of the government of Cameroon.

The second annual M.E. John Lecture will be delivered by Dr. Lawrence Fouraker, professor and former head of Business Administration at Harvard University, at 3:30 p.m. Friday, Oct. 15, in 301 Ag. Admin. Bldg.

Dr. Fouraker, a former member of the University's Economics Department, will discuss "The Transfer Economy."

M.E. John served for several years as head of the Agricultural Economics and Rural Sociology Department at Penn State.

Computer Operators	Intercollege	Licensed Practical Nurses	Hershey
Shifts: 8 a.m. to 4:30 p.m.	Research	Medical Technologists	Hershey
4:30 p.m. to 1 a.m.	Programs	(CLA, MLT, CLT, HEW)	
Midnight to 8 a.m.		Nuclear Medical Technicians	Hershey
Programmers	Management	Perfusionists	Hershey
	Services	Pharmacists	Hershey
Research Aides	Agriculture	Physical Therapists	Hershey
Cardiology Technicians	Hershey	Physician's Assistants	Hershey
Clinical Laboratory Assistants	Hershey	Psychiatric Assistants	Hershey
Clinical Laboratory Technologists (HEW)	Hershey	Radiology Technicians	Hershey
Critical Care Monitoring Technicians, (Jr. & Sr. Levels)	Hershey	Research Technicians	Hershey
Cyto-Technologists	Hershey	(Jr. & Sr. Levels)	
		Respiratory Therapy Technicians	Hershey
		Staff Nurses	Hershey

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Bryce Jordan named university president

Dr. Bryce Jordan, executive vice chancellor for academic affairs for the University of Texas System, has been elected president of the University, effective July 1, 1983. His selection was made by the Board of Trustees at a special meeting on the University Park Campus.

"We are delighted with the selection of Dr. Jordan," said Walter J. Conti, president of the Trustees. "He has excellent academic and administrative credentials to provide Penn State with the type of leadership needed to enhance even further its reputation as one of the nation's truly great universities."

President Oswald said, "All of us are deeply grateful to the University's Presidential Search and Screen Committee and to the Trustee Presidential Selection Committee for coming up with an excellent choice for our next president."

The Search and Screen Committee was chaired by Dr. Robert S. Friedman, director of the Science Policy Center and professor of political science, and the Trustee Presidential Selection Committee by Quentin E. Wood of Oil City, Pa., former president of the Board of Trustees.

Dr. Jordan will succeed Dr. Oswald, who announced last year that he will retire on June 30, 1983. He has been president since 1970.

In accepting the appointment, Dr. Jordan said, "Penn State is one of the country's great universities. It has a splendid record of accomplishment in all phases of university life, and I am honored to have been chosen as its president."

He will become the 14th president of Penn State, founded in 1855 and which, in 1862, became Pennsylvania's land-grant college.

Dr. Jordan was elected executive vice chancellor for academic affairs at the University of Texas System in 1981, after having served for 10 years as president of the new University of Texas at Dallas.

During Dr. Jordan's years at U.T. Dallas, it grew from an institution with 50 faculty and 40 students, housed in

a single building, to a university with 215 faculty and more than 7,000 students in the fall of 1981.

U.T. Dallas has, for the past several years, ranked either second or third among the 33 public universities in Texas as to the amount of extramural research funding per capita of full-time faculty.

Since 1971, U.T. Dallas has received gifts of cash, gifts-in-kind and real estate valued at more than \$60 million. A substantial portion of that total came from the Excellence in Education Foundation, which, in 1975, gave the university almost 600 acres of land in the City of Plano for establishing a permanent endowment.

Because of an active research program and substantial private giving, approximately 28 percent of the university's current expenditures came from gifts, grants, contracts, and endowments.

Dr. Jordan was born Sept. 22, 1924, in Clovis, N.M., and raised in Abilene, Texas. After graduating from Abilene High School in 1941, he attended Hardin-Simmons University for one year and then served in the U.S. Army Air Corps from 1942 to 1946.

Dr. Jordan earned his bachelor and master of music degrees from the University of Texas at Austin in 1948 and 1949. He then taught at Hardin-Simmons for two years, after which he entered the University of North Carolina at Chapel Hill for doctoral work in historical musicology and comparative literature. He received his Ph.D. there in 1956.

In 1954, Dr. Jordan joined the music faculty at the University of Maryland in College Park as an assistant professor, advancing to full professor in 1962. He was director of graduate studies in music there from 1960 to 1963, and was acting head of the Department of Music in 1962.

In 1960 and again in 1962, Dr. Jordan was a member of the faculty of the Salzburg (Austria) Seminar in American Studies. He also was an occasional lecturer for the Foreign Service Institute, U.S. Department of State, 1962-63.

From 1963 to 1965, Dr. Jordan was professor of musicology and chairman of the Department of Music at the University of Kentucky. He left that assignment to become chairman of the Department of Music at the University of Texas at Austin, serving from 1965 to 1968.

In 1968, Dr. Jordan was appointed vice president for student affairs at U.T. Austin. In that position, he consolidated student housing, the Texas Union, the student deans' offices, the counseling center, the office of student financial aid, intramural athletics, and the student health service into a new division of student affairs.

When Dr. Norman Hackerman left U.T. Austin in 1970 to become president of Rice University, Dr. Jordan was named president ad interim of the Austin campus. He

(Continued on page 2)



Bryce Jordan

Penn State's new leader looks ahead to challenges

The 14th president of the University is looking forward to the challenges of his new leadership role.

Following his election by the Board of Trustees to succeed President Oswald, Dr. Bryce Jordan said:

"I am honored more than I can tell you at the prospect of becoming part of the administrative team of Penn State, a university of great tradition and reputation for quality in all it does."

"Whether one speaks of undergraduate

teaching, intercollegiate athletics, graduate activity, research, or service to the Commonwealth, Penn State does it well. I'm truly honored at the prospect of being a part of that commitment to excellence."

"Penn State is a going institution in great shape and therefore poses a marvelous challenge to us. That challenge is to sustain Penn State's tradition and expand its superb reputation as one of this nation's great universities."

Dr. Jordan is executive vice chancellor

for academic affairs for the University of Texas System, which has an enrollment of some 115,000 students and an annual operating budget of \$1.5 billion.

Following Dr. Jordan's election, President Oswald, who will retire June 30, 1983, told the Board that it "had achieved the selection of an absolutely first-rate individual."

"My priorities," he added, "have changed to where the highest is, wherever possible, helping Bryce Jordan in moving over to the complex job as president of Penn State. I pledge to be of all possible assistance to him."

At a news conference following the Trustee meeting, Dr. Jordan said the proposed change in the operation of Pennsylvania's state college system presents a challenge for Penn State.

"The challenge of that development is to be sure that the people of Pennsylvania understand that their main thrust for teaching and research is at Penn State. We must let the people of Pennsylvania know that this is their major teaching and research university."

Concerning tuition at the University, he said "it has gone as high as it can go. It will take every means possible to stabilize tuition and it is something I will be working at."

Asked about the major problems facing higher education, he said the matter of fiscal support for a great university such as this has to be on a president's mind. "The president of Penn State, as has been the case, will have to look for increasing

private giving and the University also must move as strongly as it can in asking the state for increased support."

He said the declining high school population poses choices to be made in terms of a vital, careful policy on the part of the administration. It also poses the need, he added, to sell to the Commonwealth the fact that Penn State is a great asset.

The president-elect said he was concerned about the low number of minority students at the University. "I know Dr. Oswald has been working on the problem and I will continue to do so."

In response to a question concerning scientific research, Dr. Jordan said it is "always a challenge to be sure that the University is at the cutting edge of scientific activity. And that cutting edge changes rapidly in these times."

"There also is a danger in this high technology time that we could forget about a university studying and teaching values. A university cannot afford not to be strong in these areas."

He called Penn State a "superb institution, beautifully managed. Most people in my line of work would be excited about the possibility of heading it."

The new president said he would be "occupied rather fully in Austin until June 1."

"I'll be setting up a commuting schedule. I want to be on campus as much as I can, but it probably will be in short periods of time until June 1."



Photo: Scott Johnson

President and Mrs. Oswald, left, and President-elect and Mrs. Jordan at the Nittany Lion Shrine.

Mrs. Jordan enthusiastic on move to Penn State

She's spent most of her life in the booming Texas cities of Austin, Dallas and Houston, but Jonelle Jordan waves enthusiastic about moving north to Penn State next June.



Jonelle Jordan

"It's going to be a fascinating experience," Mrs. Jordan said after her husband's election to the Penn State presidency last Thursday. "I enjoy the countryside and the area around here."

She said State College reminds her of Chapel Hill, N.C., where the Jordans lived when the president-elect was pursuing his Ph.D. at the University of North Carolina.

Asked if moving to a smaller, isolated city would present a difficult transition, she said, "I've never lived in a town this size, but I don't anticipate suffering one bit. I'm looking forward to it."

"I think a major university such as this is a tremendous center of culture. The nice part is, I don't think I'm going to have to work so hard at getting a parking place."

Mrs. Jordan emphasized that she is "married to Bryce . . . not to Texas. We have a firm understanding about that, and I hope I can teach it to our children (Julia, 23, and Chris, 22), because if you can't feel comfortable with yourself wherever you are, you miss a lot."

Mrs. Jordan was born in Tulsa, Okla., where she lived for eight years. Her family then moved to Houston, where she resided until 1948, when she married Dr. Jordan.

After earning a bachelor's degree in music education at the University of Texas at Austin, she taught in various public

schools — where the Jordans happened to be living — in the 12 years before their daughter was born.

As the wife of Penn State's 14th president, Ms. Jordan says she'll assume a "role of service" to Penn State. As yet, she's uncertain about the particulars.

"As I find out more about the institution, and as people give me input as to what they think is important, then I'd be in a better position to know. I'd certainly want to continue the good things that have been done."

Her activities in Texas have revolved around women's clubs and service organizations. She is a member of Sigma Alpha Iota, the international women's music society. She also belongs to the PEO sisterhood, a century-old organization designed to advance women in higher education through such avenues as low-interest loans.

In addition to membership in the Dallas Women's Club, she serves on the board to two small, private schools in Dallas: the Creative Learning Center, which educates bright children from disadvantaged homes; and the Lamplighter School, which immerses young children in computer education.

A former piano student and music educator, she belongs to a number of symphony leagues and music associations in the Dallas area.

Although Mrs. Jordan remained

philosophic as to whether her husband would be chosen for the Penn State presidency, she was impressed by the confidentiality and professionalism of the Trustee Selection Committee.

"I visited in Washington with the Trustees. We had a very pleasant visit, and I was impressed with the quality of human beings on that committee. They were all very kind. I didn't feel that anyone was attempting to pressure me, and they were truly interested in what I thought — as I was in what they thought."

Mrs. Jordan's mother died quite recently after an extended illness. Any breach of confidentiality — any public discussion of Dr. Jordan's candidacy — would have caused her mother "many hours of worry."

Although June 1983 looms as an important month on the Jordans' calendar, so does January. Their daughter, Julia, will be marrying a San Antonio young man in a ceremony at the Preston Hollow Presbyterian Church in Dallas, where Dr. and Mrs. Jordan serve as elders.

Their son, Christopher, is a management trainee with the *Bay Shore Times*, a chain-owned newspaper in Laporte, Texas.

Both Julia and Christopher are graduates of the University of Texas at Austin.

News in Brief

Dr. Helen Smicklas Wright, associate professor of human nutrition, is the 1982 winner of the Evelyn R. Saubel Faculty Award in the College of Human Development.

The award is presented to a faculty member who is committed to human service and to serving students. The person selected must be accessible as an adviser to students and be considered by them as a valued resource in making career decisions. A demonstrated caring professional style is another criteria for selection.

Dr. Wright was chosen by a selection committee comprised of students, faculty members and College of Human Development alumni. She will receive a check for \$500 and a plaque at a banquet at 6:30 p.m., Friday, Oct. 22, at the Nittany Lion Inn.

Dr. Barry Staw, professor of administration, began at the University of California, Berkeley, will present a seminar entitled, "The Justification of Organizational Performance," at 11 a.m. Monday, Nov. 1, in Room 201.B.Business Administration Bldg. His talk is part of the Distinguished Researchers Seminar Series, sponsored by the Department of Organizational Behavior.

Dr. Thomas J. Cook, principal scientist for the Center for Population and Urban-Rural Studies at Research Triangle Institute, will speak at 10 a.m. Oct. 22 in Room 101 Kern Bldg. His lecture, "U.S. Program Evaluation Practices and Techniques," is part of the 1982-83 Humphrey Lecture Series

sponsored by the Institute of Public Administration's Hubert H. Humphrey Fellowship Program at the University.

The University has just published the fourth edition of the Speakers Bureau brochure listing more than 875 speech topics, ranging from adult education to world hunger. Some 435 faculty and staff members from 20 campuses are listed in the brochure.

Speakers are identified by campus location. Program chairmen should contact their nearest Penn State campus for help in scheduling speakers. Copies of the Speakers Bureau brochure may be obtained by contacting the nearest Penn State campus, or writing Speakers Bureau, The Pennsylvania State University, 312 Old Main, University Park, PA 16802.

Victoria Kepler Mortimer, consultation, education and prevention specialist for

Wayne-Holmes Mental Health Center at Wooster, Ohio, has been selected to receive the Alumni Recognition Award of the College of Human Development.

Ms. Mortimer will be honored at a reception and banquet Friday, Oct. 22, at the Nittany Lion Inn on campus as part of the College of Human Development's Action '82 Program.

Ms. Mortimer was graduated from Penn State in 1975 with a bachelor of science degree in law enforcement and corrections. She is a candidate for a master's degree in family ecology at the University of Akron. She is the author of a recently published book entitled *One in Four* that is used to train professionals in prevention and treatment of sexual abuse. The proceeds of the book go to child abuse prevention efforts and Parents Anonymous.

Bryce Jordan

(Continued from page 1)

served for a year, until he was named president of U.T. Dallas.

In addition to his work at U.T. Dallas, Dr. Jordan has been involved in a wide variety of activities for the U.T. System. He has served on six presidential selection committees, directed two special studies for the Board of Regents, and represented the U.T. System on various committees of the Coordinating Board, Texas College

and University System.

Nationally, Dr. Jordan has served as president of the Association of Upper Level Colleges and Universities and on various committees of the American Association of State Colleges and Universities. He is a member of the Commission on Colleges of the Southern Association of Colleges and Schools and the National Commission on Higher Education Issues.

Last December, the Corporation for Public Broadcasting invited Dr. Jordan to become a member of its Task Force on the

Long-Range Financing of Public Broadcasting.

In Dallas, Dr. Jordan has served on the boards of St. Marks School of Texas, the Dallas Symphony Association, the Dallas Symphony Foundation, the Dallas Chapter of the American Red Cross, the Dallas Chamber of Commerce and, in 1979, as chairman of the Public Service Employees Division, United Way Campaign.

Dr. Jordan was president of the Dallas Civic Music Association in 1979-80 and is

currently serving on the executive committee of Presbyterian Hospital. He is a ruling elder of Preston Hollow Presbyterian Church.

Dr. Jordan has published a number of articles in the fields of music, history and higher education.

Dr. Jordan and his wife, the former Jonelle Thornberry of Houston, have two children: Julia, 23, and Chris, 22. Both are recent graduates of the University of Texas at Austin.

Berks Campus celebrates anniversary

The 25th anniversary of the Berks Campus, is being celebrated throughout the year with special events, Silver Anniversary Awards, alumni activities and visits by official representatives of the University.

"Celebration and Celebration," a major 25th anniversary event, will be held Saturday, Oct. 23, in the Student Center on campus. Provost Eddy will give the keynote address, "General Education — Who Needs It?", at 10:30 a.m. symposium.

Participating as reactors on the symposium panel will be the Honorable

Karen Miller, mayor of Reading; Howard O. Beaver, Jr., University trustee and chairman of the board of directors of the Carpenter Technology Corporation, and Dr. Stanley T. Dubelle, Jr., superintendent of the Wilson School District.

A buffet luncheon at 12:30 p.m. will honor members of the Berks County community who have contributed significantly to the growth of the campus during its first 25 years.

Dean Wilbur Meier of the College of Engineering is scheduled to speak to the Advisory Board at a special luncheon Wednesday, March 16.

President Oswald has earned national reputation as higher education leader

President-elect Jordan succeeds President Oswald, who became the 13th president of the University on July 1, 1970.

Dr. Oswald has served as chief executive at three major universities for the past 20 years. Before joining Penn State 13 years ago, he was, from 1963 to 1968, president of the University of Kentucky, and, from 1968 to 1970, executive vice-president of the University of California at Berkeley. Dr. Oswald, who has his Ph.D. in plant pathology, has earned a national

reputation as a scientist and as a leader in higher education. He has served as chairman of the American Council on Education and as president of the Association of American Universities (comprising 48 of the leading universities in the country).

Upon retiring, Dr. Oswald and his wife, Rosalind, plan on moving to Philadelphia, where they have purchased a home. Dr. Oswald will have an office at the Ogontz Campus in Abington.

Dr. Tala, Yaounde Univ., visits Penn State . . .

Dr. Kashim Ibrahim Tala, of the Department of Negro African Literature at the University of Yaounde, Cameroon, is the first faculty member to come to the University under an agreement signed by both universities in June.

Dr. Tala, who holds the first doctorate ever awarded by the University of Yaounde, is spending one month at Penn State in post-doctoral study as well as working on the details of an exchange agreement signed by Yaounde Chancellor Jean Fouman Akame and Provost Eddy. The agreement establishes an exchange program for graduate students and faculty from both universities to use each other's facilities for research and education purposes. Dr. Tala will be in residence with the Comparative Literature Program of the College of the Liberal Arts through Nov. 3.

"There are problems our students will face in coming to Penn State and there are things about Yaounde that Penn State would like to know," he says of Yaounde's first linkage with an American university.

"I am personally committed to making the linkage work," he says. "I'm very impressed with the amount of interest shown by Penn State authorities in the exchange agreement."

While Dr. Tala is at Penn State, Elizabeth Ann Cooper is at the University of Yaounde. Ms. Cooper, a graduate student in the Comparative Literature Program, will be in Cameroon through June doing work on her master's thesis

and teaching at the university.

Bole Butake and Grace Etoude, both lecturers from Yaounde, studied at Penn State prior to the signing of the formal agreement. In addition, two of Yaounde's deans, Martin Njeume and Pierre Ngijol, have visited Penn State.

Dr. Tala will use his time at the University to work on two major projects before leaving to attend the African Literature Association conference in Washington, D.C., in November. He will head a team working on a joint bibliographic project between the two universities and will continue his own



Kashim I. Tala

post-doctoral research on oral African literature.

Dr. Tala, Barrette Belinga and Peter Chateh, librarian at Yaounde, will work on a bibliography of Cameroon literature, collecting all the information available from Yaounde. A Penn State team will analyze the material collected, put the information into Pattee Library's computer system, and prepare it for publication, Dr. Tala explained.

When he returns to Yaounde, Dr. Tala will collect the items listed in the bibliography and send them to Penn State where they will be microfilmed and stored in Pattee, providing a permanent reference for Yaounde and Penn State students.

"It is our intention, in due course, for Penn State to become the resource center for Cameroon information," Dr. Tala says. "We will extend this process to other fields as well as literature."

In addition to his bibliographic project, Dr. Tala will pursue the development of his book, *An Introduction to Oral African Literature*. He wrote the book from a literary, rather than a sociological point of view, he says. He also is working on a second book, tentatively titled *The Origin and Evolution of the Cameroon Novel*.

Born in Bamenda, a northwestern province of Cameroon, Dr. Tala studied English and African literature in Nigeria, Cameroon and Great Britain. He is 38 and lives with his wife, Julie, four sons and one daughter in Yaounde, near the university.

In 1979, he succeeded his father, Samba Tala, as an Elder of his village. He is one of 15 Elders of Menda-Nkwe, who are responsible for settling village disputes, planning village festivals, organizing initiation ceremonies for the tribe, and acting in an advisory capacity to the chief, Fon Fursuh.

His responsibilities require him to return to his village at least once every two months. He also returns to Menda-Nkwe when there is a festival or when an important decision has to be made. Elders are chosen by virtue of their age, achievements or by inheritance. Dr. Tala says. He became an Elder following the death of his father.

Cameroon, a nation of about nine million people with a land mass slightly larger than that of California, lies on the western coast of Africa near the equator. It is bounded on the north by Nigeria and Chad, on the east by the Central African Republic, and on the south by the People's Republic of Congo, Gabon and Equatorial Guinea.

Yaounde University, with 12,000 students, is based on the French educational system and has three principal faculties: letters and humanities, law and economics and sciences. The university's professional schools include the International School of Journalism, the Higher Teachers Training Institute, the National Polytechnic, the University Center for Health Sciences and the Institute of International Relations.

. . . while Ms. Cooper, PSU, visits Yaounde Univ.

Elizabeth Ann Cooper is the first University student to participate in the newly formalized exchange program between Penn State and the University of Yaounde in Cameroon, West Africa.

Provost Eddy and Yaounde Chancellor Jean Fouman Akame signed a memorandum of understanding in June to open the exchange program for graduate students and faculty members. It is the first extensive linkage of the African university with an American university.

Ms. Cooper, a graduate student in the Comparative Literature Program, will spend October through June at the University of Yaounde, gathering information for her master's thesis and teaching English to Yaounde students. She says that her position will be similar to a teaching assistantship.

"My instructional function will be to help students improve their English," she says. "The policy at Yaounde allows professors to teach in either English or French, as they prefer, and students may respond in either language, too."

Cameroon is bilingual, with about 80

percent of its inhabitants speaking French and the remainder English. Ms. Cooper, proficient in both French and English, expects to use French in many situations.

She also will undertake research on Cameroonian oral literature, specifically epic poetry, while she is at the African university. "I hope to do field research by going into villages with my tape recorder and camera," she says. "The traditional epics, which are sung with musical accompaniment, are in danger of being lost. Because of industrialization, more people are moving from villages to cities, where their village cultures are less easy to maintain."

The 25-year-old Irwin, Pa., native says that she's seriously considered participating in an exchange program through conversations with Dr. Thomas A. Hale, associate professor of French. Dr. Hale is studying the oral literature of Niger, Africa.

"I was interested in his research," Ms. Cooper says. "He was an inspiration to me."

To qualify for the exchange program, she submitted her credentials to the University of Yaounde, which approved them, explains Caroline D. Eckhardt, director of the Comparative Literature Program. Dr. W. LaMar Kopp, associate provost for international programs, was instrumental in making the arrangements.

When Ms. Cooper attended the African Literature Association conference in Washington, D.C., last April, her decision to go to Cameroon was reinforced. She heard presentations by African writers and by Americans studying African literature.

The friendliness of the Cameroonian people she met at Penn State also was an important factor in her decision. A Yaounde instructor, Grace Etoude, spent last year at Penn State in the Department of French. Ms. Cooper also talked with Pierre Ngijol Ngijol, dean of letters at the University of Yaounde, who visited Penn State in August.

"It's amazing how very little is known here about West Africa," Ms. Cooper

says. "When I tell my friends where I'm going, they think I'll be living in a grass hut and fighting off pythons. It isn't that way at all."

"It was hard to find pictures of Cameroon. People have no concept of what it looks like. West Africa is still pretty much of a mystery to most Americans."

"However, one thing I've been told about Cameroon is that the country is very open to other cultures and tolerant of the habits of others," adds Ms. Cooper, who earned a bachelor's degree in general arts and sciences at Penn State. Villagers in the country, however, have not seen many people from outside Cameroon, she says, so she will have to visit villages with an escort to help her interpret and collect information for her thesis.

Ms. Cooper will be arriving during Cameroon's two-month rainy season.

She is looking forward to meeting some of the African experts on oral literature. "I'd also like to see how the United States is viewed from an African perspective."

— Deborah A. Benedetti

News in Brief

The Daily Collegian has been chosen as the best all-around campus newspaper in the nation by the Society of Professional Journalists, Sigma Delta Chi. The award will be presented at the Sigma Delta Chi national convention in Milwaukee Nov. 10-13.

The paper, which has a daily circulation of 19,200, was cited for using a high percentage of staff-written versus wire service stories. Its editorial page was praised for good balance and for giving space to reader opinion. The typography and layout was described as "clean, crisp and appealing," and the artwork was cited for showing "initiative and creativity."

Pennsylvania educators and school board members will get a first hand look at usage of computers in schools at a two-day conference Oct. 29 and 30

in the Keller Conference Center on the University Park Campus.

"Computer Uses in Schools," a continuing education service of the University's College of Education, is expected to draw about 120 school professionals from around the state.

Dr. Arthur Goldschmidt Jr., associate professor of history, will discuss the research he conducted last year in Egypt as a Fulbright Faculty Research Fellow at 4 p.m. Oct. 21 in Room 605 Liberal Arts Tower. His talk is the first in a series for the Department of History's History Colloquium.

Dr. Joseph Miller, associate professor of history at the University of Virginia, will spend two days at the University Park Campus as part of the Colloquium.

Dr. Miller will speak on "Way of

Death: The Angolan Slave Trade, 1730-1830" at 3:30 p.m. Oct. 28 in Room 305 Hetzel Union Bldg. On Oct. 29, he will meet with several history classes and discuss his research with members of the Penn State faculty. His special interests are central and western Africa, slavery and slave-trading and Portugal's colonial system.

A huge Roman settlement in Portugal will be the subject of an archaeological lecture by William Biers, professor of art history and archaeology at the University of Missouri at 8 p.m. Monday, Oct. 25, in 101 Kern Bldg.

Prof. Biers, who is co-director of the excavation at Mirobriga, the first-ever American excavation in Portugal, will discuss "Archaeology at the Edge of the Roman Empire."

The Center for Research of the College of Business Administration serves as a depository for the personal income estimates of the Bureau of Economic

Analysis, U.S. Department of Commerce. The center receives published and unpublished data on personal income, both total and per capita, for the nation, the states, and the SMSA's and counties in Pennsylvania.

This data is available to interested parties on a no-cost basis. (However, a nominal amount may be charged for photocopying and postage on large requests.) For more information contact Doris Bickle, Room 102 Business Administration Building II, University Park Campus, 814-865-7669.

More than 200 school psychologists from throughout the state will participate in the Sixteenth Annual Pennsylvania School Psychologists Conference Oct. 20-21 at the University Park Campus.

Keynote speaker will be Dr. Daniel J. Reschly, nationally known for his writings on psycho-educational assessment.

The arts: Robert Trehy in recital

The School of Music will present baritone Robert Trehy in recital at 8:30 p.m. Monday, Oct. 25, in the Music Bldg. recital hall. Mr. Trehy, a professor in the School of Music, will perform familiar works by Beethoven, Schubert, R. Strauss, Wolf, Brahms and Ravel. He will be accompanied by Keith Ward, piano. The recital is free and open to the public.

Local audiences saw Mr. Trehy in the role of Emile de Beque in the 1982 Festival Theatre production of "South Pacific." Mr. Trehy's involvement with musical theater is international in scope, including performances in Lars Schmidt's production of "Annie Get Your Gun" in Germany, and appearances in various European television spectacles, notably "Scenes from American Musicals" with Roberta Peters.

Mr. Trehy's opera credits include performances with Sarah Caldwell's Opera Company of Boston at the Kennedy Center, performances in German opera houses for five years after finishing his studies in New York City and Vienna, and

performances with the New York City Opera and the Boston, Washington, Santa Fe, Central City, and Honolulu Opera companies. He has appeared as a leading singer in International Opera Festivals in Berlin, Amsterdam, Belgrade, and Wiesbaden.

Mr. Trehy has been a soloist with the Cleveland, St. Louis, Detroit, Pittsburgh, Denver, and Nashville Symphonies. He appeared in a nationally televised concert of Rodgers and Hammerstein music with Arthur Fiedler and the Boston Pops. Mr. Trehy is a recording artist for Philips.



Robert Trehy as Emile de Beque in "South Pacific."

URTC presents comedy

"Tartuffe," one of Moliere's most famous comedies which has been delighting audiences around the world for over 300 years, will be presented from Oct. 29 through Nov. 13 for 13 performances by the University Resident Theatre Company. "Tartuffe" is the first offering of the Mainstage Theatre series presented by URTC and will be performed in the Playhouse Theatre on the University Park campus.

Broadway veteran Yusef Bulos will be in the central role of the sanctimonious, lecherous, and corrupt Tartuffe, and David Sabin, another professional actor from New York City, will portray the glib husband and father who is taken in by Tartuffe's false piety.

Lawr Means and Jane Beckhard will be seen as the wife and daughter sneakily coveted by Tartuffe, and Susan Martinelli will be the outspoken housemaid who creates comic effect by speaking the truth amid a welter of moral turpitude. Others in the cast include Michael Pierce, associate professor of theatre arts, Susan Michalovich, Scott Edmiston, and Michael Endy.

Wings on tour

Arthur Kopit's *Wings*, presented by the University Resident Theatre Company at the Pavilion Theatre Oct. 13-16, will tour the Mont Alto Campus Oct. 26, and York Campus on Oct. 27.

The tour, presented as part of the Commonwealth Campuses Cultural Program, is being coordinated by the College of Arts and Architecture, Continuing Education and the Commonwealth Campuses.

The Cultural Program exists to give the campuses the opportunity to experience live theatre of quality, says John Bayless, URTC business manager.

The program helps to fulfill the void that was left when the Penn State Arts Company was phased out four years ago. The Arts Company was a touring group of graduate students in the Department of Theatre and Film that performed scenes from plays for theatre courses at various branch campuses.

In addition to the Department of Theatre and Film, the School of Music is involved in this cultural program. It sends a number of ensembles and small orchestra groups to the campuses throughout the year.

Wings is a story about a former daredevil barnstormer who suffers a stroke. She is toppled from the wings of her normal world into a strange, terrifying world in which she cannot communicate even the simplest of thoughts to those around her. With the help of her speech therapist, Amy, Emily works to rejoin the world from which she was so violently thrust.

Theatre award

The University has received the "1982 Outstanding Service To Theatre Award" of the Mid-Atlantic Chapter of the American Theatre Association for its innovative correspondence study program for community theatre management.

The correspondence program, titled "Theatre for the Community Series," is a study program of seven courses directly related to the management of all aspects of community theatres.

"I think the award is deserved, because there's nothing else like the program — it's unique," Dr. Douglas N. Cook, project director, said, "but I was surprised."

Dr. Cook, head of the Department of Theatre and Film, and Judy Kelly, series coordinator and general editor of the program, have worked in collaboration with the American Community Theatre Association, the Penn State Continuing Education Department and the Department of Theatre and Film to implement the program which emphasizes all aspects of community theatre management.

Penn State Thespians

The Penn State Thespians will present "The Boys From Syracuse," by Richard Rodgers & Lorenz Hart with a book by George Abbott, Nov. 4, 5, & 6 at 8 p.m. in Schwab Auditorium.

This rollicking musical comedy, based on William Shakespeare's play, "The Comedy of Errors," takes place in ancient Greece and tells the story of two sets of twins. The twins were separated during their youth, and the play finds them years later in Syracuse looking for each other.

"The Boys From Syracuse" won an Obie Award in 1963 for Best Off-Broadway Musical as well as the Vernon Rice Award for Outstanding Achievement in the Off-Broadway theatre. Memorable tunes include "Falling in Love With Love," "This Can't Be Love," and "Sing For Your Supper."

Tickets for the musical are available across from the HUB Desk Oct. 25-30 and Nov. 1-6 from 9:00 a.m. to 4:00 p.m. Reservations may be made by calling 865-9461.

Musica da Camera

Works by two celebrated 18th century Viennese rivals will highlight the first concert of the season of Musica da Camera, the University's chamber orchestra.

The rivals whose competition is a subject of the recent Broadway hit play, "Amadeus," were Antonio Salieri and Wolfgang Amadeus Mozart. Musica da Camera will perform Salieri's Sinfonia in D Major and Mozart's Symphony No. 38 in D Major, the "Prague," for their concert at 8:30 p.m. Wednesday, Oct. 27, in the Music Bldg. recital hall.

Also on the program are Overture III in D Major by J.S. Bach and Funf Stucke, Opus 44, No. IV by Paul Hindemith.

A husband and wife, both new to this area, will be featured in these pieces. Robert Howard, instructor in trumpet in the School of Music, will perform in the Bach overture. Dianne Howard, a violinist and concert mistress for Musica da Camera, will be featured in the Hindemith piece.

Musica da Camera is made up of 28 players under the direction of Dr. D. Douglas Miller, associate professor of music. The concert is sponsored by the School of Music and is free to the public.

Tashi in concert

The Artists Series will present Tashi, a clarinet and string quartet ensemble, at 8:30 p.m. Friday, Oct. 29, in Schwab Auditorium.

In the first half of the concert, Tashi will perform a String Trio in G Major by Ludwig Van Beethoven and "A Way A Lone" by Toru Takemitsu. In the second half, Tashi will perform two dances by William Douglas and a Quartet for clarinet and strings in B Major by Carl Maria Von Weber.

"Tashi," Tibetan for "good fortune," has toured throughout North and South America, Europe, and the Far East since its New York debut in 1973.

Members of the ensemble include Richard Stoltzman, clarinet, Ida Kavafian, violin, Fred Sherry, cello, Theodore Arm, violin, and Tobby Appel, viola.

Bach's lunch

The School of Music and the Lutheran Campus Ministry are sponsoring a Bach's Lunch program, featuring a series of free public recitals, at noon on Tuesdays in Eisenhower Chapel on the University Park campus.

Following the half-hour recitals, those in attendance are invited to eat their bag lunch in the informal lounge of the Chapel. Coffee and tea will be provided.

The following recitals are scheduled: Oct. 26: Musica da Camera, directed by Douglas Miller, associate professor of music; Nov. 2: Chamber Choir, group of 26 singers directed by Douglas Miller; Nov. 9: Concert Choir, group of 55 singers directed by Douglas Miller.

The Chamber and Concert Choirs will join for a concert at 8:30 p.m. Nov. 13 in Schwab Auditorium.

Orchestra in concert

The Penn State Symphony Orchestra will present a concert at 8:30 p.m. Saturday, Oct. 23, in the Eisenhower Auditorium.

Smith Toulson, associate professor of music, will conduct members of the symphony during the program, which features four numbers: Dvorak's "Carnegie Overture," Debussy's "Afternoon of a Faun," Brahms, "Variation on a Theme by Haydn," and Rimski-Korsakov's "Scheherazade."

Institute gives grants to faculty for research

The Institute for the Arts and Humanistic Studies has awarded research fellowships for Winter and Spring terms to 10 faculty members. Dr. Stanley Weintraub, director of the Institute, has announced. The recipients and their projects are:

— William Bradley, associate professor of art education, to complete a series of middle-size bronzes devoted to the general theme of emergence or transformation.

— Priscilla Clement, assistant professor of history at Delaware County Campus, a history of private and public welfare programs for children in 19th century America.

— John A. Cook, professor of art, to create a body of work for two major medallic exhibitions.

— Earl E. Fitz, assistant professor of Spanish/Italian/Portuguese, to prepare a critical study of the life and works of Brazilian author, Clarice Lispector.

— Ken Graves, assistant professor of art, creative photography of human beings, their relationships with each other and the spaces they use.

— Jeanne Krochalis, assistant professor of English at New Kensington Campus, a study of early Chaucer manuscripts and editions in the context of 14th-century book production.

— Shirley Marchalonis, associate professor of English at Berks Campus, to prepare a biography of Lucy Larcom, 19th-century New England author.

— Wade Saunders, assistant professor of art, exploring the direct combination of cast bronze and stainless steel in medium scale sculpture.

— Robert A. Secor, associate professor of English and American studies, research on Alfred, Margaret and Violet Hunt and their literary and artistic circle.

— Gayle L. Smith, assistant professor of English at Worthington Scranton Campus, a study of Emerson's prose style and its relationship to luminism in American painting.

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William E. Campbell, Jr., Editor
Calendar Editor — 865-2501

University Park Calendar

October 21 — November 4 Special Events

Thursday, Oct. 21

Fixed date for meetings involving Commonwealth Campus faculty.
Interdisciplinary Conference Commemorating the 100th Anniversary of the Birth of B. Traven, through Saturday, Oct. 23.
Human Development Action '82, Human Development Series: From Here to 2000, 8:30 a.m., HUB Main Lobby. Also Oct. 22, 23.

Penn State Game of the Week, noon, Kern Lobby.
Kern Classics, *Laurence of Arabia*, 7:30 p.m., 112 Kern.

Friday, Oct. 22

Fixed date for meetings involving Commonwealth Campus faculty.
Inst. of Public Administration, Hubert H. Humphrey Fellowship Program Lecture, 10 a.m., 101 Kern. Thomas J. Cook, Research Triangle Inst., on "U.S. Program Evaluation Practices and Techniques."
Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker Bldg. E. Lynn Miller, landscape architecture, on "America's Great Venture into Socialism: FDR's New Deal Communities."
Commonwealth Theatre, *The French Lieutenant's Woman*, 7 and 9 p.m., 112 Kern. Also Oct. 24.

Cinematheque, *Sanjuro*, 7 and 9 p.m., 121 Sparks. Also Oct. 23.
Shaver's Creek Environmental Center, Glenn Jenks, folk music, 8 p.m., Paul Robeson Cultural Center.
Artists Series, Rosalyn Tureck, pianist and harpsichordist, 8:30 p.m., Schwab.

Saturday, Oct. 23

France-Cinema, *Truffaut, The 400 Blows*, 7 and 9 p.m., 112 Kern.
Penn State Symphony Orchestra concert, 8:30 p.m., Eisenhower Auditorium.

Monday, Oct. 25

First day to sign Winter Term NDSL and University Long Term Loans, Room 108 Shields Bldg.
Shaver's Creek Environmental Center, Ecotour, Hawk Mountain Sanctuary, 6:15 a.m.-8 p.m. Registration: 238-5672.
T.V. Quarterback, noon, Kern Lobby.
A. Dixon Johnson Memorial Lecture in Scientific Communication, 8:30 p.m., Kern Auditorium.
Philip Morrison, M.I.T., on "The Rise and Fall of the Book: A Scientific Review Reflects."
Bartone Robert-Trehy in concert, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Oct. 26

Shaver's Creek Environmental Center, Docent Enrichment Series, 9 a.m.-noon.
Registration, 238-5672.
Life on Earth Series, *Victors of the Dry Land*, noon, Kern Lobby.
Comp. Lit. Luncheon, 12:15 p.m., 204 HUB. Kit Hume, English, on "Recent Themes of Fantasy Compared."
Senate-Faculty Council meeting, 1:30 p.m., 101 Kern.
Computation Center (Applications Group), Open House, including tours, 2 p.m., 110 Computer Bldg. Reservations: 863-0422.
College of Science, fifth annual Chemedia Lectures, through Oct. 29, 4 p.m., 5-5 Osmond. Charles L. Fefferman, Princeton Univ., and winner of 1978 Fields Medal, on "Partial Differential Equations," Oct. 26; "Eigenvalue Problems," Oct. 27; "The Uncertainty Principle," Oct. 28; and "Several Complex Variables," Oct. 29.

Wednesday, Oct. 27

Commons Concert, noon, Kern Lobby.
Music da Camera concert, 8:30 p.m., Music Bldg. recital hall.

Thursday, Oct. 28

Penn State Game of the Week, noon, Kern Lobby.
Kern Classics, *Petergeist*, 7 and 9 p.m., 112 Kern.

Friday, Oct. 29

Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker Bldg. Michael J. Freeman, Oxford University, on "Trans-Appalachian Trade in

Early Nineteenth-Century Pennsylvania" Commonwealth Theatre, *Petergeist*, 7 and 9 p.m., 112 Kern. Also Oct. 31.
Cinematheque, *Throne of Blood*, 7 and 9 p.m., 121 Sparks. Also Oct. 30.

URTC, Moliere, *Tartuffe*, Playhouse Theatre. Also Oct. 30, 31, Nov. 3-7, 10-13.

Steven Smith, pianist, 8:30 p.m., Music Bldg. recital hall.
Artists Series, Tashi, clarinet and string quartet, 8:30 p.m., Schwab.

Saturday, Oct. 30

France-Cinema, Doreux, *Dora*, 7 and 9 p.m., 112 Kern. Also Nov. 1.

Sunday, Oct. 31

John Marcinikowski, pianist, in concert, 3 p.m., Music Bldg. recital hall.

Monday, Nov. 1

Last day for signing Fall Term NDSL and University Long Term Loans, 106 Shields Bldg.

Late drop deadline.
T.V. Quarterback, noon, Kern Lobby.

Tuesday, Nov. 2

Shaver's Creek Environmental Center, Docent Enrichment Series, 9 a.m.-noon.
Registration: 238-5672.
Life on Earth Series, *Lords of the Air*, noon, Kern Lobby.
School of Music, Bach's Lunch, featuring Chamber Choir, directed by Douglas Miller, noon, Eisenhower Chapel.
Comp. Lit. Luncheon, 12:15 p.m., 204 HUB.
Jeremy Griffiths, Oxford, on Chaucer manuscripts.



Untitled pie sculpture by Stephen Porter (foreground) and "Large," "Medium," and "Small" ceramic plates (background) by David DonTigny are part of an exhibition of works by faculty members in the School of Visual Arts Zoller Gallery. The show continues through Oct. 24. "Still Life with Menning Oil" (rear wall) is by Robert Neffson.

Wednesday, Nov. 3

Commons Concert, Wheatstone Run, noon, Kern Lobby.
Univ. Wind Ensemble concert, 8:30 p.m., Music Bldg. recital hall.
Penn State Game of the Week, noon, Kern Lobby.
Kern Classics, *Jeremiah Johnson*, 7 and 9 p.m., 112 Kern.

Seminars

Thursday, Oct. 21

Ceramic Science, 11 a.m., 301 Steidle. Joe Balasico, Motorola Inc., on "Advances in the Growth of Quartz."
Organic/Inorganic, S. Rosenberg, 12:45 p.m., 55 Osmond.

Air Pollution Control, 2:20 p.m., 69 Willard. Judy Graham, Environmental Protection Agency, on "Effects of Air Pollutants on Host Defenses Against Pulmonary Infections."

Philosophy, 4 p.m., 167 Willard. Giuseppe Saccaro Battisti on "Spinoza and Herrera: The Influence of the Kabbalistic Tradition on Spinoza's Early Metaphysics."

Fuel Science, 4 p.m., 301 Steidle. Tim Golden on "Separation of Oxygen and Nitrogen by Various Cation Exchanged Mordents."

Acoustics, 4 p.m., 73 Willard. Roger Gaumond, bio-engineering, on "Using Scalp Surface Voltage Measurements to Identify the Neural Source of the Brainstem Acoustic Evoked Response."

History, 4 p.m., 605 Liberal Arts Tower. Arthur Goldschmidt, history, on his research in Egypt.

Friday, Oct. 22

Analytical Chemistry, 10 a.m., 55 Osmond. Chou-Peng Pau, on "Thermochemistry of Methionine Oxidation."

Monday, Oct. 25

Entomology, 3:50 p.m., 204 Patterson. Robert Danks on "The Effects of Dimethoate (Cygon) Sprays on Honey Bee Foraging Behavior in Pennsylvania Apple Orchards."
Biochemistry, Microbiology and Molecular and Cell Biology, 4 p.m., 101 Althouse. Yuan Chuan Lee, John Hopkins Univ., on "Carbohydrate-Mediated Endocytosis: Use of Synthetic Lipids."

History/Classics/Art History, 8 p.m., 101 Kern. William Biers, Univ. of Missouri, on "Archaeology at the Edge of the Roman Empire."

Tuesday, Oct. 26

Organic/Inorganic Chemistry, 12:45 p.m., 55 Osmond.
Chemical Engineering, Csaba G. Horvath, Yale Univ., 3:30 p.m., 140 Fenske.
Geosciences, 3:45 p.m., 112 Walker. R. C. Lieberman, SUNY, "Elasticity and Mechanisms of Phase Transformations."
Plant Pathology, 3:45 p.m., 213 Buckhout. Robert Schrum, USDA-ARS-NER Plant Disease Research Lab, on "Modeling Sensitive Systems - Murphy's Law for Biological Perturbations."

Earth and Mineral Sciences, 7:30 p.m., 109 Walker. E.W. Miller, prof. emeritus of geography and associate dean for resident instruction emeritus, on "China - Impressions of an Emerging Giant."

Wednesday, Oct. 27

Entomology, 3:50 p.m., 204 Patterson. Edwin G. Rapotte, Virginia Polytechnic Institute, on "Aspects of the Geomorphology of IFM."

Thursday, Oct. 28

Chemistry, 12:45 p.m., 55 Osmond. Graham Cooks, Purdue Univ., on "MS/MS Mass Spectroscopy's Second Coming."
Air Pollution Control, 2:20 p.m., 69 Willard. John M. Skelly, plant pathology, on "Air Pollution Effects on Forest Ecosystems of Eastern Mountains."

History, 3:30 p.m., 305 HUB. Joseph Miller, Univ. of Virginia, on "Way of Death: The Angolan Slave Trade, 1730-1830."
Geosciences, 3:45 p.m., 26 Mineral Science. Earl Verbeek, U.S. Geological Survey, on "Active Faulting on the Texas Gulf Coast."
Acoustics, 4 p.m., 73 Willard. Paul L. Michael, environmental acoustics, on "National and International Acoustic Standards: How to Get Involved."

Fuel Science, 4 p.m., 301 Steidle. Lawrence Shadle on "Comparison of Structural Features of Coals and Asphaltenes Derived from Them."

Ecology/Biology, 4 p.m., 8 Mueller. Daniel Wilhoit, Rutgers Univ., on "Environmental Sex Determination of Snapping Turtles."

Math, 4 p.m., 102 McAllister. Walter Schemp, Univ. of Siegen, on "Radial Detection. Weyl Quantization, and Nilpotent Harmonic Analysis."

Friday, Oct. 29

Analytical Chemistry, 10 a.m., 55 Osmond. Peter Throver, fuel science, on "Scanning Electron Microscope Studies of Graphite Rocket Nozzles."

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Ceramic Science, 1 p.m., 301 Steidle. Tom O. Mason, Northwestern Univ., on "Electrical Studies of Point Defects in Transition Metal Oxides."

Speech, 4 p.m., 227 Sparks. Randy Hirokawa on "Group Communication as a Rhetorical Process: The Structure of Arguments in the Group Decision-Making Process."

Monday, Nov. 1

Organizational Behavior, 11 a.m., 201 Business Administration Bldg. Barry Staw, Univ. of California, Berkeley, on "The Justification of Organizational Performance."

Plant Pathology, 3:45 p.m., 213 Buckhout. Robert Kohut, USDA-ARS-NER Plant Disease Research Lab, on "An Assessment of Air Pollution on Crop Production in the United States."

Biochemistry, Microbiology and Molecular and Cell Biology, 4 p.m., 101 Althouse. George Martin, National Institutes of Health, on "Collagen Biosynthesis."

Tuesday, Nov. 2

Organic/Inorganic Chemistry, 12:45 p.m., 55 Osmond.
Chemical Engineering, 3:30 p.m., 140 Fenske. Bruce C. Gates, Univ. of Delaware. Geosciences, 3:45 p.m., 26 Mineral Sciences. G. C. Ulmer, Temple Univ., on "Electrochemical Measurements of Redox Equilibria from the Mantle to the Asteroidal Belt."

Thursday, Nov. 4

Ceramic Science, 11 a.m., 301 Steidle. Arthur D. Pelton, Université de Montreal, on "Computer Thermodynamics and Ceramic Phase Diagrams."

Chemistry, 12:45 p.m., 55 Osmond. John T. Herron, National Bureau of Standards, on "Ozone Reactions in the Gas Phase."

Air Pollution Control, 2:20 p.m., 69 Willard. Eric Samuel, General Electric Environmental Services, Inc., on "Pilot Plant Studies: Lime Spray Absorption for High Sulfur Coal and Dry Injection of Sodium Compounds for Low Sulfur Coal."

Visual Arts, 3:30 p.m., Living Center, Human Development Bldg. Alfonso Lingis, philosophy.

Fuel Science, 4 p.m., 301 Steidle. Olayinka Ogunsola on "Parametric Study of Coal-Derived Liquid Fuel Combustion."
"Computer Thermodynamics and Ceramic Phase Diagrams."

Women's Forum, noon, Walnut Bldg. Judy Burgess, Individual and Family Studies, on "Child Care: Sex Role Socialization and Community Options."

Philosophy, 4 p.m., 60 Willard. Robert Corrington, philosophy, on "Ordinal Metaphysics."

Exhibits

Anthropology Museum

Gallery hours: Monday, Wednesday, Friday, 1-4 p.m.; Tuesday and Thursday, 9 a.m.-4 p.m.; Saturday, 10 a.m.-2 p.m.

Kern Gallery

Gallery hours: Monday through Saturday, 8 a.m.-11 p.m.; Sunday, noon-11 p.m.
Hand Made Feather Masks, through Oct. 27.
Betty Adyrs, prints, through Oct. 28.
Mary Jane Helms, baskets, opens Oct. 25.
Roy Bender, ceramics, opens Oct. 25.
Vincent Carducci, watercolors, opens Nov. 1.

Museum of Art

Museum hours: 11 a.m.-4:30 p.m. Closed Mondays. Museum Tours, Sundays, 1:30 p.m.
The England of William Penn, 1644-1718, through Oct. 31.
Selections from the Museum's Collection, through Oct. 31.
Working People: Photographs by Milton Rogovin.

Pattee Library

East Corridor Gallery
Tom Hubben and Barb Dewilde, paintings. Lending Service Lobby
Rare Books Room
"B. Traven?" An exhibit in honor of the Traven Conference.
Black Studies Room
Poster exhibit featuring exceptional black scientists

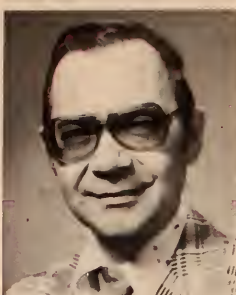
Visual Arts Bldg. Zoller Gallery

Gallery hours: 9 a.m.-5 p.m., Monday through Friday. Saturdays and Sundays, 1-5 p.m.
Bruce Davidson Photo Show, opens Oct. 27.

25-year awards



Observing their 25th year at the University are, from left, Glenn R. Brooks, Research Accounting Office; Ralph J. McChesney, Housing and



Food Service; Frank Entero, assistant professor of German at the Ogontz Campus.



Promotions

Faculty

Darryl L. Craig to assistant professor of accounting in Business Administration.

Staff Exempt

Ronald F. Kreidler to manager of information services in Management Services.

Rita J. Schiesler to applications programmer/analyst in Management Services.

William S. Smith to budget planning specialist in Planning and Budget.

Staff Non-Exempt

Pamela M. Casher to computer operator in Management Services.

Angelina F. Holden to library assistant, regular receiving in Libraries.

Donna L. Vergamini to respiratory therapy clinical specialist at Hershey.

Clerical

Elana M. Fyle to secretary B in Human Development.

Lisa M. Sprouse to clerk, analysis A in Student Administrative Services.

Ethel M. Wolfe to clerk, accounting A in Libraries.

Technical Services

Donna B. Flowers to escort service aide at Hershey.

Darlene J. Lucas to storeroom-delivery worker in Commonwealth Educational System.

Obituary

Gloria R. Kissinger, secretary at the Schuylkill Campus since March 23, 1946, died Oct. 10 at the age of 60.

Appointments

Dr. Wayne L. Detweiler, assistant professor of vocational education, has been appointed assistant director of the Center for Professional Personnel Development for Vocational Teacher Education.

Dr. Detweiler, who is also coordinator of the extended degree program in vocational industrial education, will serve in his new post on a half-time basis through Aug. 31, 1983. He replaces Dr. Donald Evans, assistant professor of agriculture, who is on leave from the University.

The Center at Penn State is one of four in the state. They are funded by the Pennsylvania Department of Education's Bureau of Vocational Education and train professionals in the fields of agricultural

education, vocational and industrial education, home economics education, and health occupations education.

In his new appointment, Dr. Detweiler, will be responsible for budgeting, processing proposals and other administrative and organizational duties. He also will serve as liaison with the state bureau.

Patrick J. O'Connell, executive producer for public affairs at WPSX-TV, has been named to assume responsibilities for the public television series, "State of the Weather/Shape of the World." The program has been in production for 17 years and is the longest continuous local public affairs show produced on public television.

O'Connell has been with WPSX-TV since 1969 and is known for his work in

documentary film production.

"Weather/World" is a half-hour informational program broadcast on WPSX-TV Channel 3 from Mondays through Fridays at 6 p.m. It provides up-to-the-minute weather reports and forecasts from the University's Department of Meteorology along with interviews and reports on areas as diverse as business, agriculture, education, health and recreation.

Chi U. Ikoku as associate professor of petroleum and natural gas engineering at University Park. B. Eng., Ahmadu Bello University (Nigeria); M.S. (petroleum engineering), M.S. (industrial engineering), U. of Oklahoma; M.S. (chemical engineering), Stanford University. Member of the petroleum engineering faculty, U. of Tulsa.

Penn Staters

Dr. Eugenio Battisti, Evan Pugh professor of art history, was named an honorary citizen of the city of Sansepolcro, Italy, on Columbus Day, Oct. 12. The town, located near Arezzo in Tuscany, is the birthplace of the 15th century artist Piero della Francesca.

Dr. Battisti is a leading scholar of 15th century Italian Renaissance art and has written what is regarded to be the fundamental study of Piero. As part of the celebration in Sansepolcro, he spoke on "Piero della Francesca Seen Through the Eyes of Today."

Dr. Thomas W. Benson, professor of speech communication, has been named an ECA Scholar for 1982-83 by the Eastern Communication Association "in recognition of his scholarly contributions to the study of speech communication."

Dr. Robert W. Christina, professor of physical education, has been elected a Fellow in the Experimental Psychology Division of the American Psychological Association. The award recognizes Dr. Christina's contributions in the area of motor behavior.

John Cook, professor of art, who is presently showing 19 bronze sculptures and medals at the Kipp Gallery, Indiana University, has been elected to the Board of Directors of the American Medallist Sculpture Association.

Lynn Martin Haskin, assistant professor of journalism at the Delaware County Campus, has been elected president of Women in Communications Inc. She will assume the presidency of the 12,000-member organization next October.

Dr. Warren W. Hassler Jr., professor of American history, has been appointed to a four-year term on the Air Force Secretary's Advisory Board.

As one of six board members, he will advise the Secretary on the Air Force's world-wide program in history, particularly military history, at the Air Force Academy, the Command and Staff College, the Air War College and other Air Force bases and installations in the United States and abroad.

Dr. E. Erwin Klaus, Fenske Faculty Fellow and professor of chemical engineering, is the 1982 recipient of the American Society of Mechanical Engineers' Mayo D. Hersey Award "in recognition of his pioneering contributions as a researcher in the development of super-refining processes for lubricating oils; advocacy of research in the chemical aspects of lubrication, friction and wear; and as one of the world's leading experts in lubrication."

Dr. E. Willard Miller, professor of geography and associate dean for resident instruction emeritus, and Ruby M. Miller, former map librarian at Pattee Library, are authors of a three volume bibliography entitled: *Latin America: A Bibliography on the Third World; South America: A Bibliography on the Third World; and Middle America and the Caribbean: A Bibliography on the Third World*, published by Vance Bibliographies.

The bibliographies contain more than 2,550 references dealing with natural resources, economic development, foreign relations and social problems. The three volumes on Latin America conclude the twelve volume set of bibliographies on the Third World. The twelve volumes contain nearly 10,000 references.

Dr. Arnulf Muan, professor of geochemistry and materials science and associate dean for research in the College of Earth and Mineral Sciences, gave two lectures in Europe.

He presented an invited plenary lecture at the 60th annual meeting of the German Mineralogical Society in Marburg, West Germany, on "High-Temperature Equilibria in Oxide and Silicate Phases," and gave an invited lecture, "Thermodynamic Aspects of the Application of Ceramics/Refractories in Advanced Energy Technologies" at a Colloquium on Ceramics in Advanced Energy Technologies at Petten, The Netherlands.

Robert A. Patterson, vice president-investments, treasurer and senior vice president emeritus at the University, was one of three recipients of the 1982 Jack Kennedy Alumni Achievement Awards at Grove City College.

Dr. Jan S. Prybyla, professor of economics, presented papers at international conferences in Munich and Saarbrücken, Germany, and Taipei, Taiwan.

Dr. Rustum Roy, Evan Pugh professor of the solid state, delivered an invited paper and organized a session on "Glass: The New Frontiers" at the annual meeting of the International Commission on Glass, in Toronto, Ontario.

Dr. William R. Schmalstieg, professor and head of the Department of Slavic Languages, presented an invited paper

on Balto-Slavic and Old Indian syntax to a group of scholars at the Centre National de la Recherche Scientifique in Paris. At the invitation of the Armenian Academy of Sciences of the USSR, he presented a paper on Lithuanian and Old Armenian syntactic parallels at the International Symposium on Armenian linguistics in Erevan.

Dr. William E. Sopper, professor of forest hydrology, presented an invited paper on "Mine Land Reclamation with Municipal Sludge in Pennsylvania" at an international meeting on "Reclamation and Integration of Waste Tips of the Mining Industry in the Landscape" in Essen, West Germany. A second paper, coauthored with Dr. Eileen M. Seaker, research associate in the Institute for Research on Land and Water Resources and entitled "Production and Quality of Forage Vegetation Grown on Municipal Sludge-Amended Mine Spoil," was presented by Dr. Seaker at the Ninth International Plant Colloquium at Coventry, United Kingdom. Dr. Seaker also presented a paper entitled "Effects of Magnesium on Tobacco Mosaic Virus-infected eggplants (*Solanum melongena* L.) at the International Horticultural Congress in Hamburg, West Germany.

Dr. Carl G. Vaught, head of the Philosophy Department, and Dr. Alphonse F. Lingia, professor of philosophy, have been named members of the International Board of Advisors for the Center for Advanced Research in Phenomenology.

University issues holiday schedule reminder

The Office of Personnel Administration reminds faculty and staff members of the following information which was announced last May regarding the Christmas/New Year's holiday period this year.

Christmas Day 1982 and New Year's Day 1983 fall on Saturdays. The official University holidays, therefore, will be Thursday, Friday and Saturday, December 23, 24, 25; Monday, Tuesday and Wednesday, December 27, 28 and 29 and Saturday, January 1. University policies provide, however, that if a holiday falls on an employee's regularly scheduled day off, the employee receives another day off with pay to be used at another time. Thus, employees who normally do not work Saturdays will receive two compensatory days off for the Saturday holidays.

Thursday and Friday, December 30 and 31, 1982, are not University holidays and offices ordinarily would be open those days. However, in order to provide the maximum energy savings, University

offices and facilities, except for essential services, will be closed these two days as well. Therefore, University's offices will be closed from the end of normal operations on Wednesday, December 22, 1982, until Monday, January 3, 1983.

The compensatory days earned for the Saturday holidays will be used for the work absences caused on the December 30 and 31 days because of University offices and facilities not being open. Those days closed, however, will not be official University holidays for premium pay purposes. Employees in essential services who qualify for the compensatory days and who must work December 30 and 31 still will have their compensatory days off for use at a later time, so they will not have lost anything.

Those who normally are scheduled off on Thursdays or Fridays who must work either or both of those days will be compensated in accordance with applicable University policy.

This special holiday schedule will not increase the number of holidays granted.

It will, however, provide a generally more desirable and efficient application of the time off. The schedule will not affect the Milton S. Hershey Medical Center. Normal holiday scheduling practices will continue there.

According to the Office of the Controller, biweekly paychecks will be dated and available on Wednesday, December 22, covering the payroll period November 28 through December 11. Automatic payroll deposits for biweekly checks also will be made December 22. Monthly paychecks will be dated December 31 and will not be negotiable until then, the normal end-of-the-month payday. However, again this year as a convenience to employees the monthly paychecks will be available for earlier distribution on Wednesday, December 22. Automatic payroll deposits for monthly checks, however, will not be made until December 31.

Questions regarding the above holiday schedule information should be directed to the appropriate college or department

personnel representative, or business officer at facilities away from University Park.

Partings

Mildred I. Space, residence hall worker at Behrend, from Sept. 10, 1971, to Oct. 2.

Anna H. Brown, senior clerk, receiving, Patton Library, from Dec. 1, 1970, to Oct. 1.

Joseph A. Jumpeter, assistant professor of music at Hazleton, from Sept. 1, 1971, to July 1.

Carpooler

Cathy Lutz is looking for a ride during the winter months from Bellefonte to the University. She works in the Mechanical Engineering Building and can be reached at either 865-2519 or 355-3864.

Faculty members asked for research proposals

Faculty members from all University campuses are invited to submit proposals to the Penn State 1983-84 Research Initiation Grant (RIG) Program, established to support research and other creative work in the sciences, engineering, social sciences, and arts and humanities.

The RIG program is a competitive process based on scholarly merit, potential benefits to the investigator and to the University and contribution (direct or indirect) to the graduate program. Proposals are accepted from new faculty members with a service accumulation of two calendar years or less by September, 1983.

The 12-month awards will range from \$2,000 to \$5,000 and will be announced following a preliminary screening by the college/areas and final recommendation from a University review committee by a variety of disciplines appointed by Dr. Richard G. Cunningham, vice president for research and graduate studies.

Faculty members desiring further information should call their ACOR representative or Commonwealth Campus directors. The proposal deadline submission to ACOR deans is Monday, Jan. 3, 1983. Awards will be announced Monday, Feb. 28, 1983.

Foreign Studies names search group

Dr. W. LaMar Kopp, director of the Office of Foreign Studies, has appointed a screening committee for the position of faculty associate/academic administrator in the Office of Foreign Studies.

Dr. Paul W. Bixby, professor emeritus of education, is the committee chairman. Members are Dr. Eugene R. Melander, assistant vice president for undergraduate studies, and Michael Laubacher, assistant to the director of the Office of Foreign Studies.

The faculty associate will be responsible to the director for providing administrative support in the operation of the University's foreign studies programs. Specific responsibilities will include, but not be limited to: student selection, registration, orientation, and advising; course accreditation; new program development; program review and evaluation; on-site supervision, and coordination with University faculty and administrators at all campuses.

The position requires a person with a terminal degree who currently holds faculty rank at the University. Fluency in French is preferred. It is assumed that the position will be approximately

three-quarter time. The position has been classified as "Academic Administrator."

Nominations and applications are to be submitted along with a dossier to

Dr. Paul Bixby in Room 314 Willard Bldg. by Nov. 15.

It is anticipated that the candidate selected will be able to assume this position by March 1, 1983, or before.

Shenango seeks applicants

A search committee has been named to review applications of candidates for the position of associate director of academic affairs at the Shenango Valley Campus.

Dr. Charles R. Bursey, associate professor of biology at the campus, will chair the committee. Other members from the campus are Dr. Frederic M. Leeds, assistant professor of French; Dr. Martin Schultz, assistant professor of sociology; Dr. Leonard R. Rifforgiato, associate professor of history, and Ms. Lori Marinko, president of the Student Government Association.

Also serving on the committee are Dr. Richard Brady, Head, Department of Materials Science and Engineering; Ernest R. Weidhaas, assistant dean for Commonwealth Campuses in the College of Engineering; Frank Montgomery, regional field director for Continuing Education, and Dr. Mary M. Dupuis,

associate professor of education.

The new associate director will be responsible to the campus director for administering academic functions. Responsibilities will include working with the colleges and departments of the University in providing leadership in the professional development of faculty, in initiating new and innovative programs and in campus service to the community. Candidates should have an earned doctorate and successful academic administration experience, as well as at least five years of experience involving full-time teaching and scholarly pursuits, including preparation of proposals for external funding.

Applications and nominations should be sent by Nov. 15 to Dr. Vincent De Sanctis, director, Shenango Valley Campus, The Pennsylvania State University, 147 Shenango Avenue, Sharon, PA 16146.

Speakers scheduled for Johnson, Chemerda talks

Dr. Philip Morrison — scientist, teacher, author, arms critic and television personality — will present the A. Dixon Johnson Memorial Lecture in Scientific Communication at 8 p.m. Oct. 25 in Kern Auditorium on the University Park Campus. His talk is entitled, "The Rise and Fall of the Book: A Scientific Reviewer Reflects."

Dr. Morrison, professor of physics and radio astronomy at Massachusetts Institute of Technology, is perhaps best known to non-scientists for his frequent television appearances, especially on PBS's *Nova* and the BBC's *Horizon* series. His most recent *Nova* program, *Termites and Telescopes*, in which he presents the Second Jacob Bronowski Lecture was aired by WFSX-TV on Sept. 12.

Dr. Morrison also is widely known for his monthly book reviews for *Scientific American* in which he comments on books representing either a good popular approach or an approach at an introductory level to topics in all fields of science.

An astrophysicist who helped decipher the mystery of cosmic rays, Dr. Morrison

also is the founder of gamma ray astronomy and one of the originators of the radio search for extraterrestrial intelligence.

The A. Dixon Johnson Lectures honor the former director of Penn State's Department of Public Information who was a science writer at Oak Ridge National Laboratory early in his career. The lectures are sponsored by the A. Dixon Johnson Foundation and the Alumni Society of the College of Science.

Dr. Charles L. Fefferman, winner of the 1978 Fields Medal, the "Nobel Prize" of mathematics, will present the fifth annual Chemerda Lectures at the University Park Campus, Oct. 26 through 29.

The four free public lectures, sponsored by the College of Science, will be held at 4 p.m. in Room 5-5 Osmond Laboratory. Dr. Fefferman's topic will be "Partial Differential Equations." The individual lectures are entitled, "Survey," Oct. 26; "Eigenvalue Problems," Oct. 27; "The Uncertainty Principle," Oct. 28; and "Several Complex Variables," Oct. 29.

Dr. Fefferman, professor of mathematics at Princeton University, is known not only for his research on Fourier analysis, partial differential equations and several complex variables, but also for his ability to explain clearly the complexities of mathematics.

The Chemerda Lectures are named in honor of John M. Chemerda, a member of the Penn State class of '35. They are

supported by a grant from Dr. Chemerda's former employer, Merck & Co., Inc. The grant was made in connection with an award Dr. Chemerda received from Merck. An outstanding developmental chemist, Dr. Chemerda was honored in June 1978 with Penn State's Distinguished Alumnus Award.



Philip Morrison



Charles L. Fefferman

The new director of the Paul Robeson Cultural Center on the University Park Campus sees the Center as being a vital part of the academic mission of the University.

"From conversations with other people working in black cultural centers at universities such as Cornell, Michigan and Marquette," says Larry Young, "I find the social and aesthetic areas of the culture remain very important, but these centers have moved toward a much greater academic and intellectual emphasis.

"I see the Robeson Center as being a source of important information, both current and historical, and hope that it will proactively disseminate that information throughout the University community through cooperative involvements.

"For many people, there must be academic legitimacy for black cultural studies and that's where the Center should be directed. In that way, it lends psychic support to black students and becomes a vital part of the overall support system in the University, including both academic and student affairs areas."

Mr. Young became director of the Robeson Cultural Center on Sept. 1, succeeding Elmore M. Browne, who retired.

A native of Cleveland, he was graduated from Miami University, of Oxford, Ohio, with a bachelor of arts degree in English. He taught in the Cleveland Public School System for five years and, for a period, worked with a federal program, Transitions, designed to provide math and reading-deficient students with the necessary skills to enter

into the mainstream of school.

He returned to Miami University in 1969 to pursue graduate studies and began working as a recruiter in the Office of Black Student Affairs. He was promoted to director of the EOP program in 1971.

He received a master's degree in curriculum and supervision, with emphasis on English, and in 1973 was appointed director of the Office of Minority Student Affairs. Among his responsibilities was supervision of the University's Multi-Cultural Center.

"The most glaring and obvious difference between the two universities," he says, "is the size. But in many other ways, they are similar. I've been impressed with the quality of the students here and the atmosphere of the town and the university. Both are very friendly, open and receptive."

One of Mr. Young's major goals is to establish the Robeson Center as a resource that faculty members feel they can turn to for materials as well as people.

In his short time here, he says he has gotten varied reactions from students regarding the role and function of the Center.

"I think it's safe to say that for a black student at a university like this, there is a need for some sense of identification. They don't find it easily in the faculty in terms of role models and they don't find it easily in the general community because the black community is so small.

"They would be receptive, I believe, to seeing the Robeson Center as a source for validating their reality at Penn State. The Center says they are valid; they are wanted; they are needed; they are recognized; they are respected."

And, according to the new director, respect is the key word.

"The theme we've adopted for the Center," he says, "is 'Respect and

Responsibility'. We hope to build respect for the Center in the community and it, in turn, will meet its responsibility as being a resource for the community at large."



Photo: Scott Johnson

Larry Young

Tenure was granted this year to 89 percent of those faculty members recommended, the University Faculty Senate was told at its Oct. 5 meeting.

In his annual report on PS-23 reviews, President Oswald said 73 persons throughout the University were recommended for tenure and it was granted in 65 instances. This compares to the previous year when 82 were recommended for tenure and it was granted to 61 individuals, or 74 percent.

Dr. Oswald reported 63 faculty members were recommended for promotion to full professor and 44, or 70 percent, were promoted. The comparable figure for the previous year was 75 percent.

At the associate professor level, 78 persons were recommended for promotion and 48, or 59 percent, were promoted. In the previous year, 104 were recommended for promotion to associate professor, and 37 were promoted.

The Senate heard Donald G. Dickason, dean of admissions, report on the status of Fall Term admissions and on changes

in the selection process for incoming freshmen. It also received the annual report of its Committee on Undergraduate Instruction on distribution of grades, dean's list, and graduation with distinction.

In other business, the Senate:
— Received an informational report from its Academic and Athletic Standards Committee on student petition summary.

- Received two reports from the Committee on Admissions, Records and Scheduling dealing with petitions for reinstatement to degree candidacy and the six-credit limitation and waiver of sit-out rule for students dropped for poor scholarship.

At the associate professor level, 78 persons were recommended for promotion and 48, or 59 percent, were promoted. In the previous year, 104 were recommended for promotion to associate professor, and 37 were promoted.

— Received an oral report from Eugene Lindstrom, Curricular Affairs Committee, on the status of calendar conversion.

— Heard Barry L. Myers, associate professor of business law, urge faculty members and their representatives in the Senate to speak out on issues affecting the University.

The Society for Phenomenology and Existential Philosophy will hold its 21st annual meeting Oct. 28-30 at the Keller Conference Center on the University Park Campus.

Programs for the Nietzsche Society and the Society for Phenomenology and the Human Sciences, as well as the Gurwitsch Memorial Lecture, will be held in conjunction with the meeting.

Dr. Stanley F. Paulson, dean of the College of the Liberal Arts, and Dr. Carl D. Vaught, head of the Department of Philosophy, will welcome faculty members from colleges and universities throughout the United States and Canada.

Dr. Alphonso F. Lingis, professor of philosophy, will be discussant for the plenary session on "Deconstruction," Oct. 28, and speaker for the Society for Phenomenology and the Human Sciences' panel on "The Issue of Psychosis in French Post-Structuralism," Oct. 30.

Dr. Joseph J. Kockelmans, professor of philosophy, will moderate the evening lecture on "Hermeneutics and the History of Being," Oct. 29. Dr. Richard A. Cohen, assistant professor of philosophy at the Worthington Scranton Campus, will be commentator for the Nietzsche Society discussion, "On the Politics of 'The Question of Style'" Oct. 28.

- **Supply Assistant, Penn State Bookstore, University Park** — Select merchandise for gift and clothing department based on product quality, price, vendor performance and current inventory; prepare orders and maintain appropriate records; set prices and merchandise materials through functional displays and arrangements, develop and maintain liaison with vendors, verify invoices of delivered materials and approve payment; supervise clerical support personnel. High school

graduation and one to two years of effective experience in retailing required.

- **Medical Social Worker II, College of Medicine, Hershey**—Responsible to the social services coordinator for providing inpatient and outpatient medical social services and provide practical help and emotional support to patients and their families. Master of social work degree from an accredited college or university and/or equivalency, plus one to two years of effective experience.

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Oct. 28, 1982. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

• **Business Operations Analyst, Commonwealth Educational System, University Park** — Responsible to the director of management for providing assistance in the design and application of fiscal and operational reports; identify and use appropriate research methods and procedures to produce reports; conduct analyses and studies of CES fiscal and operational activities for the purpose of advising senior CES management personnel of the system's success in achieving assigned goals and objectives; recommend areas for study and

procedures to be used. Bachelor's degree (or equivalent) in management, business administration, accounting, or related area and at least two to four years of effective experience.

- Supervisor, Central Transport Services, College of Medicine, Hershey — Responsible to the manager, Central Stores, for providing patient escort services to nursing floors and ancillary departments requiring effective supervision, coordination and scheduling of personnel and resources. High school graduate or equivalent plus three to four years of effective experience.

• **Programmer, College of the Liberal Arts, University Park**—Responsible to Administrative Assistant for the effective analysis, program design, coding, documenting, maintenance and other programming tasks required to implement educational and research applications. Man duties include developing applications programs, assisting in development of new programs, and maintaining existing programs and system software. Baccalaureate degree or equivalent in computer science, engineering (EE preferred) plus six to nine months of effective experience required. Applicant should be proficient in FORTRAN; experience in the following areas would be helpful: real-time interactive programming, basic electricity, statistics, RSX-11M and REXX, and IBM 360/370 DEC equipment. Continuing 9-month appointment, Sept. 1 thru May 31 of each year.

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State College civic leader Barbara Raeder Palmer with her husband, James R. Palmer, at the Nov. 3 Renaissance Fund dinner honoring her. A total of 265 persons attended the dinner which is expected to raise \$35,000 for the University's Renaissance Fund.

Trustees approve plans for Ag Arena, student housing

University Trustees took action on two planned construction projects on the University Park Campus at their meeting Thursday and Friday, Nov. 4 and 5.

They approved preliminary plans for the proposed Agricultural Arena to be built near Beaver Stadium, adjacent to the Meat Animal Evaluation Center.

The plans, by the architectural firm of Dagit and Saylor of Philadelphia, call for a structure with an earthen floor area of 80 by 152 feet and seating space for 600 persons. The building also will house offices and storage facilities.

It will be used for resident instruction activities in the College of Agriculture and also will be available for use by the agricultural community in Pennsylvania, says Ralph E. Zilly, vice president for business.

The Agricultural Arena will cost approximately \$900,000, with the funds coming from private gifts.

The next step in the process is submission of final plans to the Board of Trustees. If there are no serious delays,

construction could begin next spring.

Trustees also approved preliminary plans for student apartment housing at University Park. The plans, by the architectural firm of John C. Haas Associates of State College, are for 32 units of garden apartments and townhouses to be built in the Nittany residence hall area.

A total of 128 students would be housed in the complex, scheduled to be constructed on the site of the old Theatre Arts Production Studio that will be razed.

University studies have shown increased student demand for on-campus apartment-style housing, Mr. Zilly says. If these prototype units prove successful, it would lead to replacement of the Nittany housing section that has long been considered "temporary."

Final plans could be completed by spring, Mr. Zilly says. The project would be funded by a bond issue being handled through the Centre County Higher Education Authority.

Fall degree enrollment increases at University

Total degree enrollment at the University increased by 1.3 percent this fall, Trustees have been told.

"There are 52,672 students seeking baccalaureate, associate and graduate or medical degrees at Penn State this fall," said Robert E. Dunham, vice president for undergraduate studies. "The final figure for degree candidates last fall was 51,960."

Dr. Dunham said the largest gain was in baccalaureate (four-year) degree enrollment, which is 41,310, compared to 40,458 last year. Associate (two-year) degree enrollment is 4,810. Last fall it was 4,710.

Graduate enrollments decreased this year. The total for this fall is 6,165, compared to last fall's 6,422.

"We had increases in the number of students seeking baccalaureate degrees at most Penn State campuses and

especially at the Commonwealth Campuses," Dr. Dunham said. "One reason, I believe, is a greater emphasis on recruitment and, in particular, recruitment of degree candidates."

At the University Park Campus, degree enrollments were down slightly because of a planned reduction in enrollment at that campus announced earlier this year by Dean of Admissions Donald G. Dickson. The total degree enrollment at University Park was 33,225 last fall. This fall it is 32,937.

In all, the number of full-time and part-time students enrolled in courses for credit at all campuses of Penn State this year — including Continuing Education, nondegree and provisional students — has increased by 2.4 percent over last fall. The total for this fall is 63,271. Last fall's total was 61,800.

Residence hall students will get combined housing options

Pennsylvania State University students will be offered combined "first-come, first-serve" and "eleventh line" options to reserve rooms in University residence halls for next fall.

President Oswald has announced that decision in a letter to Laura Cerar, president of the Association of Residence Hall Students. He said the decision was based upon a recent ARHS poll that showed strong support among students for each of the two options.

"It would be as wrong to deny the sizable number of students who wish to exercise the eleventh line option as to deny those who prefer a first-come, first-serve approach," Dr. Oswald said.

"Therefore, I am instructing Vice Presidents Ralph E. Zilly and Raymond O. Murphy to proceed with the combined options for next fall."

First-come, first-serve refers to the practice of recent years in which students stand in line to submit dorm contract requests. Those who arrive earliest have the best chance of getting a contract.

The eleventh line is a lottery, for students who choose not to stand in line.

Dr. Oswald said a survey conducted this fall by ARHS showed that a strong minority of students — 39.5 percent — preferred the eleventh line alternative to the first-come, first-serve system now in use. Forty-five percent preferred the first-come, first-serve approach. The other 15.5 percent expressed no preference. For that reason, he said, the decision was made to offer students a choice between the two options.

Competition for dorm contracts began in the mid-1970s, with a sharp increase in the number of students who preferred living on campus to living off campus in apartments or houses. In 1978 the University instituted the first-come, first-serve system in response to complaints from students that those who lived in the dormitories got first priority in fall room assignments.

In his letter to Ms. Cerar, Dr. Oswald complimented her and ARHS for the

(continued on page 3)

Admissions officer values higher ed.

Don Sheffield doesn't have any trouble convincing high school students of the value of a college education.

Sheffield, admissions and financial aid officer at the Beaver Campus, comes from a family of 18 children, 13 of whom are college graduates. A fourteen is working on a degree at the Beaver Campus.

"I love admissions work because I enjoy being part of a student's life at such a vital time from age 18 to 22," he says. "And it's easy for me to talk to students because education has been so important to me and our family."

Sheffield grew up in New Brighton, Pa., where his father, who died in 1969, was a minister, a paint contractor, and worked the 11 to 7 shift at Westinghouse to support the family.

"Mom and Dad never directly said we had to go to college," Sheffield recalls.

"But after the first one went, the rest of us became interested and developed self confidence because of support in the family."

"There was a tremendous support base. Going to college seemed to be built into our family life. It was the natural thing to do. And, if we didn't go, Dad would make us paint all day."

Athletics were an important part of the educational process in the Sheffield family as a number of the boys received financial aid by attending college on basketball scholarships.

Five of the Sheffield children attended nearby Geneva College, with four graduating and one transferring to

California State College. Last year, Geneva College bestowed on Mrs. Bessie Sheffield its Distinguished Service Award for sending so many children to Geneva.

Don graduated from Geneva in 1965 with a bachelor of arts degree in sociology and a minor in education. He taught at New Brighton High School and from 1972 to 1973 served as assistant dean of student affairs at Clarion College.

He joined the Michael Baker Jr. firm in 1973 as assistant personnel director, primarily charged with recruiting minority professionals. At the same time, he completed work on a master's degree at Slippery Rock State College.

In 1974, Sheffield decided to return to higher education and became a counselor

(continued on page 3)



Don Sheffield

From the Trustee Docket

Deasy Laboratory honors professor

The George F. Deasy Laboratory of GeoGraphics has been established at the University to honor the memory of a highly distinguished faculty member.

The Board of Trustees approved that name for existing laboratory facilities in honor of Dr. Deasy, a member of the geography faculty at Penn State from 1946 until his retirement in 1973. He was a pioneer in the field of aerial photo interpretation and cartography, and established one of the first geographical courses in remote sensing in the United States in 1947.

"It is highly appropriate that the name of a major mid-20th Century contributor to the University and his profession be memorialized in a laboratory that will carry his tradition of research into the 21st Century," Richard E. Grubb, senior vice president for administration, said.

"Dr. Deasy had that rare combination of being an inspiring teacher and an outstanding research scholar. He was the kind of scholar, teacher and friend that represents the best in Penn State's traditions."

The laboratory, located in rooms 210, 229 and 337 of the Eric A. Walker Building, will support research and instruction in cartography, remote sensing and computer modeling of earth science data. Facilities currently in use there support those activities in Penn State's College of Earth and Mineral Sciences.

The laboratory will complement the facilities of the University's Office for Remote Sensing of Environmental Resources (ORSEN).

Dr. Deasy died in 1977. While at Penn State, he published three atlases and one textbook that he illustrated with hundreds of maps. He also wrote more than 200 articles for professional journals, and the maps and charts he prepared to illustrate those articles set a style that has been copied by many geographers. He frequently wrote on Pennsylvania's economic development and energy resources.

He established the teaching of cartography at Penn State, providing cartographic principles and technology to several generations of geographers.

Purchase approved for Stone Valley

Trustees have authorized officers of the University to buy approximately one-half acre of land as part of the master plan for the Stone Valley Recreation Area.

The purchase of the land is part of the University's continued plan to protect the lake at Stone Valley from potential

pollution and environmental problems.

The land is owned by Benjamin F. and Ruth A. Good and is located in Barree Township, Huntingdon County. A 40-foot trailer — that has been vandalized over a period of time and is not usable — is also located on the tract.

Fayette lab gets Trustee approval

Final plans for the renovation of the Solar Laboratory and for construction of a new maintenance building at the Fayette Campus have been approved by the Board of Trustees.

Officers of the University were authorized to obtain bids and award contracts for the \$400,000 project that could be completed by next fall. The project will be funded in its entirety by local fund-raising efforts.

Several years ago, a combined maintenance building and solar technology lab was built on campus. The current project involves renovation of 4,200 square feet of the maintenance section of that building for use as expanded solar lab facilities, explained Steve A. Garban, senior vice president for finance and operations.

In addition, a new 4,200 square-foot maintenance building will be constructed on the edge of campus.

Graduate program in math reinstated

A graduate degree program leading to the doctor of education degree in mathematics, discontinued in 1979, has been reinstated at the University.

"The decision to discontinue the degree had been based on the assumption that there was no longer a demand for it," Provost Eddy told Trustees.

"Subsequently, it has become apparent that there is a significant demand." The degree prepares students to teach mathematics in institutions of higher education that are not research-oriented.

Dr. Eddy said the University's Graduate Council approved a recommendation to reinstate the degree in September. Admission to the D.Ed. program in mathematics will be limited to persons with at least three years of fulltime teaching experience in mathematics.

The degree requirements will include 15 credits of education courses and 45 credits of mathematics courses.

"Since all the courses supporting this program are already available," Dr. Eddy said, "no additional costs are anticipated."

New candidates for the degree will probably begin their studies next summer or fall, he added.

Loan Fund. Principal and interest from outstanding loans will be added to the scholarship fund.

The Charlotte W. Newcombe Scholarship will assist physically handicapped students.

Funds for the scholarship will be received annually from the trustees of the Charlotte W. Newcombe Foundation, Princeton, N.J. Mrs. Newcombe, a Philadelphia philanthropist, died in 1979. The foundation provides scholarship funds for physically handicapped students and returning women students at 50 colleges and universities in the eastern United States.

The V. Hoover and Alice H. Rydberg Scholarship has been established to assist outstanding students enrolled in the College of Medicine of The Milton S. Hershey Medical Center.

The scholarship was created by a gift

Enrollment passes mark of 100,000

Enrollment in Continuing Education's informal (non-credit) courses passed the 100,000 mark for the first time in history at the University last year.

"Total enrollment in non-credit courses in 1981-82 was 104,957," Robert J. Scannell, vice president and dean of the Commonwealth Educational System, told University Trustees. "The previous year's figure was 94,108."

In all, enrollment in Continuing Education grew by 12.5 percent in 1981-82, Dr. Scannell said. The gain in informal courses was the largest individual increase, he noted.

The total for both credit and non-credit courses for 1981-82 was 157,456, an all-time high. The comparable figure for 1980-81 was 139,886.

Penn State offers Continuing Education courses all over the state, and Dr. Scannell said the enrollment gains were not limited to any particular geographic area. Gains were recorded at 19 of the 24 primary program sites. Furthermore, he said, there were increases in many different fields of study.

"Our figures show that the need for lifelong education in the health and human services fields continues to grow," he said. Increases in those fields were among the largest, with the colleges of Medicine and Human Development both reporting enrollment gains in Continuing Education of about 30 percent for the year.

Dr. Scannell said he was pleased that the number of organizations served by Continuing Education also is growing. In all, 15,690 organizations participated in programs in 1981-82, compared with 15,341 the previous year. They include business firms, government agencies, hospitals, school districts and other groups.

A number of innovative programs were conducted through Continuing Education during the past year, Dr. Scannell said.

"We've had everything from a one-week study tour of the Pennsylvania German culture to a course on use of the microcomputer in high school libraries," he said.

Architects appointed at Behrend College

The architectural firm of Bohlin, Powell, Larkin and Cywinski, with offices in Pittsburgh, Philadelphia and Wilkes-Barre, has been selected to design a proposed classroom-laboratory building at the Behrend College.

The selection was approved by Trustees, following a recommendation by the

University's Architect/Engineer Selection Sub-Committee.

The proposed complex is needed to accommodate three new academic majors that were approved by the University Trustees in September, says Dr. John M. Lilley, dean of Behrend College. The majors are environmental science and engineering, energy science and engineering and environmental technology.

Funding for the three new programs is coming from private gifts to the college and from its five-year planning and budget program.

Coal-fired boiler slated for Capitol

Trustees have approved sketch plans for the installation of a medium-sized coal-fired boiler at the Capitol Campus to supplement existing gas- and oil-fired facilities.

The project also calls for the abandonment of one-half mile of heat distribution line to two residences halls. "This abandonment would greatly reduce heat loss now incurred by running heat from the campus power plant, through an underground line to the residence halls," explained Ralph E. Zilly, vice president for business.

The installation of the coal-fired boiler, he said, will result in a more efficient use of energy and will take advantage of the considerably lower cost per British thermal unit of coal, compared to oil and gas.

The project is expected to cost approximately \$1.1 million with funds provided by the Department of General Services.

Building authorized for bank machines

Trustees have authorized the construction of a small building for automated bank teller machines on the University Park Campus.

The building will be located near the bookstore and will house up to six of the machines, commonly called ATMs.

"We see this as a service to students," said Steve A. Garban, senior vice president for finance and operations. "The University announced its intention to move in this direction earlier this year, when we made space available on campus for a branch bank."

Mr. Garban noted that the area banks have expressed interest in providing ATM service. Allowing those banks to operate ATMs on campus, he said, would be a convenience for students and faculty and staff members.

Each ATM will be owned and serviced by a commercial bank, with the University providing only heat and light. The cost of construction of the facility — which will not exceed \$120,000 — will be covered by rental fees paid by the banks.

Seven scholarships, funds reported to Trustees

Establishment of a number of scholarships and funds has been reported to the Board of Trustees. The new scholarships and funds include:

The Edmund T. Lentz Alumni Memorial Scholarship will assist qualified students interested in pursuing careers as medical doctors.

The scholarship fund was founded by Dr. Lentz, a 1923 alumnus and physician from Greentown, Pa. The scholarships will be awarded to first-time students enrolling at the University as pre-medical majors in the College of Science.

The Alumni Classes of 1942 and 1943 have pooled resources to create the Class of 1942/1943 Alumni Memorial Scholarship fund to help outstanding undergraduate students.

The scholarship fund includes the principal from the Class of 1942 Memorial Scholarship Fund and the Class of 1943

Loan Fund. Principal and interest from outstanding loans will be added to the scholarship fund.

The Charlotte W. Newcombe Scholarship will assist physically handicapped students.

Funds for the scholarship will be received annually from the trustees of the Charlotte W. Newcombe Foundation, Princeton, N.J. Mrs. Newcombe, a Philadelphia philanthropist, died in 1979. The foundation provides scholarship funds for physically handicapped students and returning women students at 50 colleges and universities in the eastern United States.

The V. Hoover and Alice H. Rydberg Scholarship has been established to assist outstanding students enrolled in the College of Medicine of The Milton S. Hershey Medical Center.

The scholarship was created by a gift

from Alice H. Rydberg of Clearfield, Pa., and the late V. Hoover Rydberg. Mr. Rydberg was a 1950 graduate of Penn State.

The Student Cabin and Special Facilities Fund will provide monies to maintain student facilities.

The initial principal of the fund was derived from the sale of a tract of land in Harris Township, Centre County, owned by the Penn State Outing Club, formerly the Penns Valley Ski Club.

Monies from the fund will be used to maintain facilities which do not receive money from the University's general funds. Major maintenance, repairs and replacements to lodges, cabins and other facilities, which are the responsibility of student activity clubs, will be paid for from this fund.

The Jerome Weinstein Journalism Scholarship will recognize outstanding

undergraduate students enrolled in the School of Journalism.

The scholarship funds were donated by friends and colleagues of Mr. Weinstein to honor his many contributions to Penn State, the School of Journalism and the community. Mr. Weinstein of 130 W. Whitehall Road, State College, was editor of the Centre Daily Times in State College from 1946 until his retirement in 1980.

The George Whitfield Memorial Fund will provide for a speaker at an annual colloquium of the Physics Department. Friends, colleagues and former students of the late Dr. Whitfield established the fund.

Dr. Whitfield was associate professor of physics at the University from 1965 until his death in 1981. His special field of interest was solid state theory, and the income from the fund will finance a speaker on that topic.

Admissions officer

(continued from page 1)

in the Educational Opportunity Program at Beaver County Community College. He was appointed coordinator of the EOJ program at Penn State's Beaver Campus in 1976 and was named admissions and financial aid officer in July, 1981.

"I feel fortunate at Beaver Campus in that I am able to develop as a professional," he says. "My current position exposes me to the entire University. Often, those working in minority programs are limited in terms of exposure."

Sheffield currently serves on a number of University committees and is active in

the Forum on Black Affairs.

The Beaver Campus is experiencing its highest enrollment since the campus began in 1965. Sheffield attributes that to the fact that recruiting for Penn State is made easier by the University's quality academic programs and outstanding reputation.

In terms of minority recruitment, he feels that the major challenge facing the University is coordinating efforts to reduce fragmentation.

"In Admissions, we are charged with helping to increase representation of all minority groups. We have gotten

tremendous support from the University and President Oswald in the areas of minority recruiting and retention, and I feel confident the new president will continue that commitment.

"In some respects, however, I think we have failed in innovation. We really haven't adapted to refining our admissions approach for the minority student. The challenge facing us is to be more innovative in recruiting and retaining black students."

While the Beaver Campus admissions officer is encouraging students to pursue higher education, he's also continuing to take his own advice.

"Someday I will get a doctorate from Penn State. That's a must for me if I'd

like to be a college president by the time I'm 50."

Sheffield, 34, and his wife Linda have three sons and live in New Brighton.

Residence hall

(continued from page 1)

organization's "willingness to work to inform its constituents of a proposed program."

"I would be remiss if I didn't tell you of the many reports I have received about the manner in which this matter (ARHS's attempts to determine students' wishes on the options) has been handled," he said. "I hope this kind of conscientious and cooperative attitude will continue."

News in Brief

Information for the Intercom Winter Term Calendar should be turned in by Friday, Nov. 19. Material can be sent to Calendar Editor, Room 301 Old Main, 865-2501.

A substantial proportion of Americans view aid to education as a priority item in the federal budget, according to a new nationwide public opinion poll on attitudes toward colleges and universities.

The survey, sponsored by 11 higher education associations, involved interviews with a stratified sample of 1,188 persons, representative of the U.S. adult population. It showed aid to education ranked fourth of nine budget areas.

Other highlights from the survey report:

- Americans especially favor continued government support of collegiate research in medicine and the physical sciences.

- A large majority of Americans (72.5 percent) think the overall quality of higher education in the United States is "good" or "excellent."

- A majority of Americans who have plans to help finance a college education for their children are very concerned that they may not have sufficient funds to do so. Only 11.1 percent are confident they will be able to pay for higher education for their children, while 53.7 percent are not sure there will be sufficient funds. Another 32.5 percent have some concerns, but think there will probably be enough money for a college education.

- Clear majorities of Americans favor continued federal support for needy students and institutions.

Full results of the survey are available at \$12.00 per copy (with reduced rate for multiple copies) from CASE Publications Order Department, P.O. Box 298, Alexandria, VA 22314.

The University annually receives grants for projects designed to fulfill specific research responsibilities.

Often the research grant or project is of relatively short or temporary duration. In most instances, University project administrators must react quickly in making selections of support staff personnel for their projects. Therefore, it is desirable to have an available pool of faculty and staff members who are interested in applying for such research support staff positions.

The announcement is made so that qualified individuals may make their interests known. The types of temporary research support staff positions typically available are: Senior Project Associate, Project Associate, Project Assistant, Senior Research Technologist, Research Technologist and Research Technician.

The types of discipline backgrounds required vary depending on the projects involved. They may include physics, engineering, agriculture, mathematics, chemistry, but are not limited to these areas.

If you apply, your name will be placed in the pool of candidates that will be considered as such opportunities arise. An announcement similar to this will be made each six months.

If you feel that you are interested in and have background related to typical University research projects, you may apply now or in the future for such temporary research support staff positions by calling the University's Employment Division, 865-1387 (network 475-1387).

Prof. Alberto Moravetti of the University of Sassari, Sardinia, will lecture on Sardinian archaeology as a Visiting Fellow of the Institute for the Arts and Humanistic Studies.

Sardinia, an island which lies to the west of the Italian peninsula in the Mediterranean Sea, has a rich archaeological history dating back some 8,000 years, says Dr. Joseph W. Michels, professor of anthropology. Prof. Moravetti will speak on "Punic Sardinia," at 3:30 p.m. Tuesday, Nov. 9, in Room 124 Sparks Bldg. The lecture is sponsored by the Department of History Colloquium and the Classical Studies Committee.

Three entries from the Department of Publications have been cited by the University and College Designer's Association.

A poster publicizing Penn State Sports Camps for 1982 received one of three gold awards in the nation. The poster was designed by Larry Krezo.

Awards of excellence were presented to Rick Villastrigo for a museum catalog, *Architectural Fantasy and Reality*, and to Krezo for a recruitment brochure for the Department of Biochemistry, Microbiology, and Molecular and Cell Biology. The latter featured photographs by James Collins, the Department of Publications' photographer.

A fourth production from the department, *Hemline, Neckline, Streamline*, was included in the 1982 edition of Print Magazine's regional design annual, which recognizes the best in U.S. design, illustration, and photography. The museum catalog was designed by Gretl Magadini.

Dwight Stevenson, an internationally known expert on technical writing and communication, will speak at 8 p.m. Wednesday, Nov. 10, in Room 101 Kern Graduate Bldg.

Prof. Stevenson, chairman of the Department of Humanities at the University of Michigan, will discuss "Technical Communication in an Electronic Future" for the English Department Colloquium.

Harvard University, Stanford University and Penn State are the three schools most frequently mentioned as providing quality executive education programs, according to a recent survey.

Directors of management development at 153 separate "Fortune 500" firms were asked to list the top five universities in the executive education field.

"Harvard was mentioned in the top five by 81 percent, Stanford by 61 percent and Penn State by 35 percent," says Albert A. Vicere, assistant director of executive programs at Penn State, who conducted the survey.

Executive management programs have been offered at Penn State through the University's College of Business Administration since 1956, Mr. Vicere says.

"This year, 20 different programs on 14 different topics are being offered and approximately 700 executives — many of them presidents or vice presidents of their firms — are expected to attend."

Ivan F. Mendenhall, chairman of the board of Daniel, Mann, Johnson & Mendenhall (DMJM), an international architecture and engineering firm based in Los Angeles, presented the first Marvin J. Kudroff Memorial Lecture at the University on Friday, Nov. 5.

Marvin J. Kudroff, a 1946 Penn State graduate who received his B.S. degree in architectural engineering, was vice president and principal in charge of industrial and defense projects for DMJM at the time of his death in 1980.

The Marvin J. Kudroff Memorial Lectureship in Engineering Management was established by the DMJM board of directors. It provides for an annual lectureship to be offered by the College of Engineering, which awarded Mr. Kudroff its 1975 Outstanding Alumnus Award.

Project for professionals nears its halfway point

A comprehensive, five-year project to help professionals keep up with the accelerating pace of change in their fields is nearing its halfway point. Trustees have been told.

The project — partially sponsored by the W.K. Kellogg Foundation — could revolutionize the continuing education offerings of universities, said Robert J. Scannell, vice president and dean of the Commonwealth Educational System.

"We've brought together groups of people — theorists and practitioners — who haven't worked as closely as they should have in the past, and our experiment appears to be succeeding," Dr. Scannell said.

With the Foundation's support, he said, university educators are working side-by-side with practitioners from six fields to create continuing professional education

programs that "truly meet the needs of people in those careers."

The six fields are: accounting, architecture, clinical dietetics, clinical psychology, medicine and nursing.

Beginning in June, Dr. Scannell said, groups of practitioners from those fields will undergo specific skills assessment to pinpoint the areas of greatest need for training. The skills assessment will be done with interviews, live simulations, videotapes and several other approaches.

Called the Continuing Professional Education Development Project, the program was launched in 1980 with a \$1.18 million grant from the Kellogg Foundation. It is being conducted by the Office of Planning Studies in Continuing Education, in conjunction with the Center for the Study of Higher Education.

Fourteen state and national professional

associations have been actively involved. By the time the project is completed in 1985, they will have contributed about \$100,000 to its funding.

The Penn State faculty members involved in the project come from the academic colleges that house the various professions: accounting — the College of Business Administration; architecture — the College of Arts and Architecture; clinical dietetics and nursing — the College of Human Development; clinical psychology — the College of the Liberal Arts; and medicine — the College of Medicine at The Milton S. Eshelby Medical Center.

The Kellogg project at Penn State has three goals:

- To develop continuing professional education programs for the six fields and put them into practice.

- To establish collaborative relationships between the University and the six professions for developing future programs.

- To develop models of collaboration between universities and professions that can be used with other professions and elsewhere.

The project makes extensive use of a "practice audit model" developed at Penn State in earlier work with the pharmacy profession. That model is a seven-step needs assessment and program development process.

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William E. Campbell, Jr., Editor
Calendar Editor — 865-2501

The arts: 'Nutcracker' ballet set for Dec.

The Artists Series will present the Pittsburgh Ballet Theatre in "The Nutcracker" ballet at Eisenhower Auditorium for three performances: 7:30 p.m. Saturday, Dec. 4, and 2:30 and 7:30 p.m. Sunday, Dec. 5.

In Tchaikovsky's beloved ballet, a young girl, Clara, dreams that the toy nutcracker becomes a handsome cavalier who takes her on a journey to the Kingdom of Sweets. The characters of the lovely Clara, the uncanny Dr. Drosselmeyer, the dazzling Sugar Plum Fairy, and the bold cavalier, combined with Tchaikovsky's magnificent score create an enchanting ballet. Featured are such famous dances as the Waltz of the Flowers, the Dance of the Sugar Plum Fairy, and the Arabic Coffee Dance.

The Pittsburgh Ballet Theatre, under the artistic direction of Patricia Wile, will be performing "The Nutcracker" choreographed by Keith J. Martin. Mr. Martin, dean of the Pittsburgh Ballet Official School, has worked with London's Royal Academy of Dancing, the Royal Ballet School, the San Francisco Ballet, and the Pennsylvania Ballet.

Ticket sales begin Wednesday, Nov. 10, at the Eisenhower Auditorium box office from 9 a.m. to 4 p.m.

smooth surfaces with rough darker areas, subtly communicating "a feeling of seeing new things and giving the feeling of an inner energy."

He has exhibited in numerous one-man and group shows. His works have been purchased by collectors in Sweden, Japan, and Australia.

A 1962 graduate of Edinboro State College, he earned masters degrees in art education and sculpture from Indiana University of Pennsylvania in 1966 and 1978, respectively.

Ward, pianist and instructor of music, and by Trina Baker, Janet Underhill and Andrea Bower, bassoonists.

Dr. Peeples plays locally with the Altoona Symphony and the Susquehanna Valley Choral Orchestra. She is the author of several articles appearing in *International Double Reed Society Journal*, and *Woodwind, Brass and Percussion*.

She received her M.A. from the University of Maryland in 1981, and her M.A. from the University of North Carolina in 1976.



Pittsburgh Ballet Theatre performs "The Nutcracker."

Sculpture show

A sculpture show by James Myford is on display through Nov. 19 at the Hetzel Union Bldg. gallery.

Myford, associate professor of art at Slippery Rock State College, casts aluminum to create abstract work reflecting his preception of elemental forms in nature.

He first expressed his concern with three-dimensional form in wood-carving, and in 1969, built a foundry at Slippery Rock State College, where he began working with aluminum, utilizing the full-mold casting process. This process is similar to the "lost-wax" technique of casting, but Myford instead uses styrofoam to build his preliminary forms.

Myford works usually with vertical, organic shapes and deals honestly with his materials, contrasting gleaming

Bassoon recital

Bassoonist Dr. Georgia Peeples, instructor of music, will present a recital at 8 p.m. Monday, Nov. 15, in the Music Bldg. recital hall. The recital is free and open to the public.

Dr. Peeples' performance will include the works of Vivaldi's Concerto in F major, John Burness' Variations (solo bassoon), Victor Bruns' Concerto no. 2, op. 15, William Presser's Bassoon Trio, and Alan Ridout's Pigs (a bassoon quartet).

Dr. Peeples will be assisted by Keith

Museum talk

Robert M. Doty, director of the Currier Gallery of Art in Manchester, N.H., will discuss "The Tradition of Documentary Photography in America" at 10:30 a.m. Tuesday, Nov. 9, in the Museum of Art on the University Park Campus. The event is sponsored by the Friends of the Museum.

Mr. Doty's extensive professional background includes the position of curator of The Whitney Museum of American Art from 1969 to 1974; he was

associate curator there from 1966 to 1969.

Mr. Doty also has served as director and curator of the Akron Art Institute from 1974 to 1977. Early in his career he was assistant curator at George Eastman House, and has since participated on the staffs at Victoria and Albert Museum (London), Albright-Knox Art Gallery (Buffalo), and Yale University Art Gallery.

Mr. Doty served on the Silvermine Guild of Artists' Board of Trustees from 1970 to 1972. He received his bachelor's degree at Harvard University, and his master's degree at the University of Rochester.

Jazz concert

The Penn Statesmen Jazz Ensemble, 20 musicians from the University Park Campus, will present a concert at 8:30 p.m. Wednesday, Nov. 10, in the Hetzel Union Bldg. ballroom.

The jazz ensemble is composed of five saxophonists, five trombonists, five trumpetists and a rhythm section of two drummers, a bass guitarist and a pianist.

Much of the jazz ensemble's repertoire consists of music from the Big Band era. The group also performs Basie-style swing tunes, funk, rock, be-bop and fusion jazz. Among the music the ensemble performs are Count Basie melodies arranged by Sammy Nestico and music from the bands of Toshiko Akiyoshi and Lew Tabackin, Buddy Rich, Woody Herman, Stan Kenton and Chick Corea.

The Penn Statesmen Jazz Ensemble is directed by Elmer C. Wareham, Jr., assistant professor of music.

Admission is free and the public is welcome.

Greek Sing

The Panhellenic Council will sponsor a Greek Sing at 7 p.m. Saturday, Nov. 13, in the Hetzel Union Bldg. ballroom. Faculty and staff members and their families are invited to attend.

The Greek Sing, to benefit the Stone Valley Recreation Area, will feature songs from the past and present. Admission is \$1.00 per person.

Bookshelf

How place names are pronounced is the subject of Paul A. Zawadzki's *Pronunciation Guide to Place Names in Pennsylvania*. Dr. Zawadzki (pronounced "za VAT ski"), assistant professor of speech communication, recently completed work on the guide, sponsored by the Pennsylvania Association of Broadcasters.

The guide, which has more than 4,000 entries, is based on the 1962 edition produced by Marlowe D. Froke and Warren C. Bodow.

A feature of the new guide is the addition of the International Phonetic Alphabet spelling of each name beside the respelling. The respelling, as illustrated with the name "Bethlehem," spells the name the way it is pronounced. The IPA spelling is a phonetic transcription. Dr. Zawadzki says:

"I felt it would be nice to have a guide that was simple, but also more precise," he says. "Introducing the International Phonetic Alphabet was a good way to do that since broadcasters are using the alphabet. The NBC Pronunciation Guide, a standard reference, uses the double transcription."

To complete the guide, Dr. Zawadzki used an atlas and 60 students in his American English Phonetics class last winter. He divided Pennsylvania into areas covering all 67 counties, handed out lists of names and asked his students to find local people to pronounce the names. The students transcribed the names and he sorted through their lists, filling in any

gaps. "It will be a standing project for the American English Phonetics course to update the pronunciation guide," he says.

Dr. Zawadzki, a University faculty member for seven years, earned his bachelor's degree in history from Canisius College, Buffalo; his master's degree in linguistics from Kansas University; and his Ph.D. in speech pathology from the University of Iowa.

Dr. Charles D. Ameringer, professor of Latin American history, is the author of *Democracy in Costa Rica*, co-published by the Hoover Institution Press, Stanford University, and Praeger Publishers, New York.

Dr. Ameringer's book is a study of the politics and society of Costa Rica and seeks to explain the causes of that nation's uniqueness. Costa Rica, a small Central American country, has a reputation for democracy and peaceful behavior in a region noted for authoritarian government and violent political upheaval.

Dr. Ameringer analyzes the Costa Rican politics and people by tracing the country's history from colonial times to the present. He also describes the kinds of institutions the Costa Rican people developed. This framework provides the basis for a discussion of existing political and social dynamics and the present grave economic crisis, which threatens Costa Rica's tranquility and continued well-being.

His study ends with the February 1982 presidential election of Luis Alberto

Monge in Costa Rica, which he personally observed, and presents original research about the career of the new president. The book is part of the Hoover Institution's *Politics in Latin America* series.

Gideon Golany, professor of urban planning in the Department of Architecture, has written a book that reveals the secret of how to have a new house that drastically cuts heating bills; requires no painting or roofing; is fireproof, soundproof and dustproof; provides its own yard; and has privacy.

His book is called *Earth-Sheltered Habitat: History, Architecture and Urban Design*, published by Van Nostrand Reinhold, New York. In it, he describes underground settlements that were built thousands of years ago and explains how to build underground homes today.

The interest in underground housing was renewed in the 1970s when the price for oil, gas and electrical energy increased dramatically. People began looking for ways to build homes that use less energy. Underground homes are one alternative that offers savings on heating and cooling as well as maintenance.

With proper design and construction, underground homes can be very livable. They are safe from natural disasters such as tornadoes and hurricanes, wind and snow damage; and they are soundproof. The major obstacle to living in underground homes seems to be psychological, since some people just don't like the idea.

Dr. Golany was a senior planner for Israel's Ministry of the Interior before coming to the United States in 1967.



James Myford's sculpture, "Empress."

University Park Calendar

Nov. 4-18

Special Events

Thursday, Nov. 4

Penn State Game of the Week, noon, Kern Lobby.
Kern Classics, *Jeremiah Johnson*, 7 and 9 p.m., 112 Kern.

Penn State Thespians, *The Boys From Syracuse*, 8 p.m., Schwab. Also Nov. 5 and 6.
URTC, *Moliere, Tartuffe*, 8 p.m., Playhouse Theatre. Also Nov. 5-7, 10-13. Sunday matinees at 2:30 p.m.; Sunday evening at 7:30 p.m.

Friday, Nov. 5

College of the Liberal Arts Speaker, 2:30 p.m., 101 Kern. John D. Scanlan, U.S. Department of State, on "Poland Today."
Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker Bldg. Richard Chait, associate provost, on "Beyond Traditional Tenure: Alternatives to the Tenure System."
Commonplace Theatre, *Rocky III*, 7 and 9 p.m., 11 Kern. Also Nov. 7.
Cinematheque, *Kagemusha (the Shadow Warrior)*, 7 and 9:45 p.m., 121 Sparks. Also Nov. 6.
Artists Series, Prague Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Saturday, Nov. 6

Sports: football vs. North Carolina St., 1 p.m.
France-Cinema, Malle, *My Dinner with Andre*, 7 and 9 p.m., 112 Kern. Also Nov. 8.
Blue Band, *Bandorama V*, 8 p.m., Eisenhower Auditorium.
School of Music, Brass Ensemble concert, 8:30 p.m., Music Bldg. recital hall.

Sunday, Nov. 7

Shaver's Creek Environmental Center, Holiday Card Making, 2-5 p.m. Registration, 236-5872.
Phi Mu Alpha in concert, 8:30 p.m., Music Bldg., recital hall.

Monday, Nov. 8

T.V. Quarterback, noon, Kern Lobby.

Tuesday, Nov. 9

Shaver's Creek Environmental Center, Docent Enrichment Series, 9 a.m.-noon.
Registration: 236-5872.
Museum of Art, gallery talk, 10:30 a.m. Robert M. Doty, The Currier Gallery of Art, on "The Tradition of Documentary Photography in America."
Life on Earth Series, *The Rise of the Mammals*, noon, Kern Lobby.
Beck's Lunch, featuring the Concert Choir, directed by Douglas Miller, noon, Eisenhower Chapel.
University Senate meeting, 1:10 p.m., 112 Kern.
Computation Center (Applications Group).
Open House, including tours, 2 p.m., 110 Computer Bldg. Reservations: 863-0422.

Wednesday, Nov. 10

Commons Concert, noon, Kern Lobby.
English Colloquium, 8 p.m., 101 Kern. Dwight W. Stevenson on "Technical Communication in an Electronic Future."
Penn Statesmen Jazz Ensemble, 8:30 p.m., HUB 8allroom.

Thursday, Nov. 11

Finance for Women meeting, 9:30 a.m., 225 HUB. Max Morris on "Micro Computers, Jobs and You."
Penn State Game of the Week, noon, Kern Lobby.
Three Cultures Dialogue, 12:20 p.m., 101 Kern. John Ziman, F.R.S., Univ. of Bristol, on "Scientists and Human Rights."
Kern Classics, *Regime*, 7 and 9 p.m., 112 Kern.

Friday, Nov. 12

Artists Series, Smithsonian Jazz Repertory Ensemble, for young audiences, 11 a.m., Schwab.
Speech Symposium, 4 p.m., 227 Sparks. Gerard Hauser on "Administrative Rhetoric on the Iranian Hostage Issue: A Case Study of Public Opinion."
Commonplace Theatre, *Regime*, 7 and 9 p.m., 112 Kern. Also Nov. 14.
Artists Series, Smithsonian Jazz Repertory Ensemble, 8:30 p.m., Schwab.
Alard Quartet concert, 8:30 p.m., Music Bldg. recital hall.

Saturday, Nov. 13

France-Cinema, Bozzetto, *Allegro non Troppo*, 7 and 9 p.m., 112 Kern. Also Nov. 15.

Panhellenic Council, Greek Sing, 7 p.m., HUB ballroom.

School of Music, Chamber and Concert Choirs in concert, 8:30 p.m., Schwab.
Winners concert, 8:30 p.m., Music Bldg. recital hall.

Sunday, Nov. 14

Shaver's Creek Environmental Center, Pops, Prickles and Parachutes Walk, 2-4 p.m., Stone Valley.

Monday, Nov. 15

Early registration for Winter Term, continues through Nov. 19.
Fall Term classes end, 9:55 p.m.
Last day for signing Fall Term Emergency Loans, 108 Shields Bldg.
T.V. Quarterback, noon, Kern Lobby.
Recital, Georgia Peeples, bassoonist, 8 p.m., Music Bldg. recital hall.

Tuesday, Nov. 16

Life on Earth Series, *Theme & Variations*, noon, Kern Lobby.

Thursday, Nov. 18

Penn State Game of the Week, noon, Kern Lobby.



Bob Wilber, director of Smithsonian Jazz Repertory Ensemble.

Seminars

Thursday, Nov. 4

Ceramic Science, 11 a.m., 301 Steidle. Arthur D. Pelton, Université de Montreal, on "Computer Thermodynamics and Ceramic Phase Diagrams."

Chemistry, 12:45 p.m., 55 Osmond. John T. Herron, National Bureau of Standards, on "Ozone Reactions in the Gas Phase."

Air Pollution Control, 2:20 p.m., 69 Willard.

Eric Sametel, General Electric Environmental Services, Inc., on "Pilot Plant Studies: Lime Spray Absorption for High Sulfur Coal and Dry Injection of Sodium Compounds for Low Sulfur Coal."

History/Classical Studies, 3 p.m., 107 Carpenter. Alberto Moravetti, Univ. of Sassari, Sardinia, on "Neolithic Sardinia."

Visual Arts, 3:30 p.m., Living Center, Human

Development Bldg. Alphonso Lings, philosophy.

Fuel Science, 4 p.m., 301 Steidle. Olayinka Ogunmola on "Parametric Study of Coal-Derived Liquid Fuel Combustion."

Women's Forum, noon, Walnut Bldg. Judy Burgess, individual and family studies, on "Child Care: Sex Role Socialization and Community Options."

Philosophy, 4 p.m., 60 Willard. Robert Corrington, philosophy, on "Ordinal Metaphysics."

Friday, Nov. 5

Analytical Chemistry, 10 a.m., 55 Osmond. Charles Koch on "Chemical Oxidation Products of Coal by GC-MS."

STS/Physics, 3:55 p.m., HUB Assembly Hall. John M. Ziman, F.R.S., Univ. of Bristol, on "Public Conceptions of Science."

Monday, Nov. 8

Biochemistry, Microbiology and Molecular and Cell Biology, 3:30 p.m., 101 Altohouse, Alfred Goldberg, Harvard Univ., on "Intracellular Proteases and Protein Turnover in Bacteria."
Entomology, 3:50 p.m., 204 Patterson. Ronald M. Wesoloh, Conn. Agriculture Experiment

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Gutmanus, Drexel Univ., on "Heat Treatment and Mechanical Properties of AL-20-A."

Chemistry, 12:45 p.m., 55 Osmond. Richard D. Adams, Yale Univ., on "Structural Organometallic Chemistry."

Air Pollution Control, 2:20 p.m., 69 Willard. Rosa De Pena, meteorology, on "Wet and Dry Deposition."

Anthropology, 3 p.m., 107 Carpenter. The film, *Copan*, will be shown, followed by a discussion by William T. Sanders, anthropology, and William Uricchio, film.

Philosophy, 4 p.m., 60 Willard. Samuel R. Levin, CUNY, on "Metaphor and Aquinas' Doctrine of Analogy."

Fuel Science, 4 p.m., 301 Steidle. Murray Abbott on "An Approach to Studying Slag Deposition in P.C. Boilers."

Friday, Nov. 12

Analytical Chemistry, 10 a.m., 55 Osmond. Tom Mallinson on "GC-MS of the Insecticide Kepone."

Monday, Nov. 15

Entomology, 3:50 p.m., 204 Patterson. Roger H. Ratcliff, USDA, on "Plant Host Resistance."

Plant Pathology, 3:55 p.m., 213 Buckhout.

William Bruckart, USDA-AARS-NER Plant Disease Research Lab, Maryland, on "Exotic Plant Pathogens for Weed Control."

Exhibits

Anthropology Museum

Gallery hours: Monday, Wednesday, Friday, 1-4 p.m.; Tuesday and Thursday, 9 a.m.-4 p.m.; Saturday, 10 a.m.-2 p.m.

Chambers Gallery

Gallery hours: Monday through Friday, 8 a.m.-5 p.m.; Saturday, 9 a.m.-noon.
Harriet Rosenberg, installation piece, opens Nov. 10.

Engineering Bldg. C, second floor
Drawing exhibit, first-year architecture students, through Nov. 10.

Kern Gallery

Gallery hours: Monday through Saturday, 8 a.m.-11 p.m.; Sunday, noon-11 p.m.
Mary Jane Heline, baskets.
Roy Fender, ceramics.
Vincent Carducci, watercolors.
George Ann Katchick, soft sculpture, through Nov. 15.

Museum of Art

Museum hours: 11 a.m.-4:30 p.m. Closed Mondays. Museum Tours, Sundays, 1:30 p.m.

Working People: Photographs by Milton Rogovin.

A Decade of Collecting: A Survey of the Museum's Collection, opens Nov. 14.

Patte Library

East Corridor Gallery
Tom Hubben and Barb Dewilde, paintings, through Nov. 14. Lending Service Lobby
Mary Pat Ford, photos, through Nov. 11.
Rare Books Room

"B. Traven" Traven exhibit in honor of the Traven Conference.

Black Studies Room

Poster exhibit featuring exceptional black scientists.

Visual Arts Bldg. Zoller Gallery

Friday Hours: 9 a.m.-5 p.m., Monday through Friday. Saturdays and Sundays, 1-5 p.m.

Photography show, "7 from the 70's."

Smithsonian jazz ensemble to perform

The Artists Series will present the Smithsonian Jazz Repertory Ensemble at 8:30 p.m. Friday, Nov. 12, in Eisenhower Auditorium as part of the Schwab Concert Series.

A group of accomplished and respected jazz instrumentalists, the Smithsonian Jazz Repertory Ensemble offers music covering a wide spectrum of jazz history.

In the first half of the concert, the ensemble will play music from the 1920s, including pieces by "Jelly Roll" Morton, "Fats" Waller, J.P. Johnson, and Louis Armstrong. Following the intermission,

the ensemble will play music from the 1930s, including pieces by Duke Ellington, Benny Goodman, Billie Holiday, and Lester Young. The ensemble will finish the concert with jazz from the 1940s, including pieces by the Benny Goodman Sextet, Thelonious Monk, Dizzy Gillespie, and Charlie Parker, and a jam session using a composition to be announced.

Bob Wilber, who plays the clarinet and soprano and alto saxes, is the founding director of the Smithsonian Jazz Repertory Ensemble and has been voted "Musician of the Year" by the readers of the

International Jazz Journal magazine. Jeanne Horton, vocalist, is one of a handful of non-Americans to be profiled in the definitive book on blues singers — *Blues Who's Who*. Other members of the ensemble are: Glenn Zottola, trumpet, Tom Arnt, trombone; Bob Kindred, tenor and baritone saxes; Mark Shane, piano; Chris Foley, banjo and guitar; Phil Flanagan, bass; and Chuck Riggs, drums. Tickets will go on sale from 9 a.m. to 4 p.m. weekdays at the Eisenhower Auditorium box office beginning Tuesday, Nov. 9.

25-year awards



Observing their 25th year at the University are, from left, H. Eugene Goodwin, professor of journalism, and John A. Dombroski, assistant to the assistant vice president for Housing and Food Service.



Promotions

Staff Exempt

Julia C. Carley to production coordinator in Commonwealth Educational System/Continuing Education.
Anthony M. Cavalliere to project assistant at Hershey.
Steven H. Chubb to programmer A at Hershey.
Lee W. Grotzyhann to project assistant at Hershey.
Ronald G. Hoover to supervisor, data base activities in Management Services.
Mark G. Hoskinson to programmer A at Hershey.
Marjorie B. Masteller to research coordinator in Gifts and Endowments.
Garin L. Moore, Sr. to foreman, environmental health at Hershey.

Barbara Ann Rabold to assistant extension agent in Agriculture.
James W. Sampell to coordinator of research funds in Education.
Richard T. Sodergren to associate registrar in Registrar.

Staff Non-Exempt

Lauralee Baker to senior staff nurse at Hershey.
Donald W. Gilbert to supply assistant at Bookstore.
Karen L. Greider to research technician at Hershey.

Clerical

Alice A. Adams to secretary A in Liberal Arts.

Obituaries

Joseph L. Grucci, retired associate professor of English, died Oct. 30. He was 71.

Mr. Grucci, a nationally known poet, editor and translator, retired in 1976 after 26 years service. During his tenure on the faculty, he founded and edited Pivot Magazine and established poetry workshops.

The author of four volumes of poetry, he also translated the works of Spanish and Italian authors. Mr. Grucci was one of the earliest translators of Nobel Prize winner Pablo Neruda.

Among his translations are "Three Modern Italian Poets," for which he received a grant from the American Council of Learned Societies, and "Three Spanish-American Poets," of which he was co-translator. His recently published poems include "Times of Hawks" and "The Invented Will."

After doing undergraduate studies at Penn State, Mr. Grucci attended and

taught at the University of Alabama and the University of Pittsburgh. He is survived by his wife, the artist and sculptor Sibyl Barsky.

Memorial contributions for a poetry fund in Mr. Grucci's name are being accepted at the Schlow Library, State College.

Kathryn J. Reese, janitorial worker in the Office of Physical Plant from Oct. 14, 1974, until her retirement Sept. 1, 1982, died Oct. 27. She was 50.

George R. Leslie, plumber-fitter in the Office of Physical Plant since Feb. 1, 1963, died Oct. 26 at the age of 61.

Ralph O. Barnes, maintenance worker in the College of Health, Physical Education and Recreation from July 1, 1940, until Jan. 1, 1972, died Oct. 20. He was 75.

Alice M. Kelley, clerk-typist and senior clerk at Capitol Campus from March 1, 1968, until her retirement July 1, 1978, died Oct. 1 at the age of 70.

Laura L. Beahm to clerk, registration A in Registrar.

Anna E. Bove to secretary B in President's Office.

Helen A. Brouse to registration clerk in Registrar.

Susan C. Craig to secretary C in Human Development.

Julia Franklin to secretary B in Liberal Arts.

Susan B. Girardi to secretary C in Engineering.

Audrey Kay Korman to senior accounting clerk in Intercollegiate Research Programs.

Dee Ann Longenecker to clerk typist A in Science.

Karen S. Meyer to secretary C in Engineering.

Penny A. Royer to data preparation operator B in Management Services.

Mary Beth Schraf to secretary B in Engineering.

Josephine Smith to secretary in Education.

Elizabeth A. Stover to secretary A in Agriculture.

Technical Service

Philip H. Blazer, Jr. to stock clerk-truck driver in Housing and Food Services.
Robert Dreilbelbis to campus bus driver in Business Services.

Sarah J. Holenich to dining hall worker A in Housing and Food Services.

Ralph L. Jefferson to group leader-cook at Hershey.

Sharon E. Michaels to escort service aide at Hershey.

Pete Snyder to group leader, landscape A at Berks.

Penn Staters

William W. Asbury, affirmative action officer and assistant to the provost, has been elected chairman of the Office of Federal Contract Compliance Programs, Region III, Higher Education Liaison Committee. He also has been elected parliamentarian of the Pennsylvania Black Conference on Higher Education.

Dr. Peter J. Behrens, assistant professor of psychology at the Allentown Campus, presented an invited address, "A History of Pavlovian Conditioning and Child and Developmental Psychology in America," at an international symposium on the history of developmental psychology at Friedrich Schiller University, Jena, German Democratic Republic.

Dr. Patricia Farrell, associate professor and head of the Department of Recreation and Parks, has assumed the presidency of the Society of Parks and Recreation Educators, a branch of the National Recreation and Parks Association.

Dr. Joseph C. Flay, associate professor of philosophy, has been elected vice president of the Hegel Society of America. Formed in 1968, the Society is composed of scholars from Canada and the United States whose primary purpose is to share common research interests in the philosophy of G.W.F. Hegel.

Donald W. Girouard, associate professor of landscape architecture, has been elected national vice president of

the Honor Society of Sigma Lambda Alpha.

Dr. Inyoung Ham, professor of industrial and management systems engineering, has been elected to serve a three-year term on the Council of the International Institution for Production Engineering Research. The Institution is based in Paris, France, and is best known by its French initials, CIRP.

Dr. Richard R. Hill Jr., of the U.S. Regional Pasture Research Laboratory and adjunct professor of plant breeding, has been named "The Outstanding Regional Scientist" by the Department of Agriculture's Agricultural Research Service for its Northeastern Region.

Dr. Joseph Jordan, professor of chemistry, lectured on "Thermometric Titrations, Analytical Calorimetry, and Enthalpic Analysis" at the University of Dortmund, Federal Republic of Germany.

He also served as the moderator of a meeting of the Commission on Electroanalytical Chemistry of the International Union of Pure and Applied Chemistry in Julich, Germany. He is the current chairman of the Commission.

Dr. David A. Kurtz, analytical chemist in pesticide research at the Pesticide Research Laboratory, presented a paper on "The Use of Regression and Statistical Methods to Establish the Analytical Curve in Chromatographic Analysis" at the International Conference on Chemometrics in

Analytical Chemistry, CAC-HOLLAND, held at Petten, The Netherlands.

Dr. Budugur Lakshminarayana, director of computational fluid dynamics studies and professor of aerospace engineering, has been elected a Fellow in the American Society of Mechanical Engineers.

Dr. Steven B. Mize, associate professor of immunology, participated in the First International Takeda Foundation Symposium on Host Defense Mechanisms in Kyoto, Japan. While in Japan, he presented an invited talk at the University of Tokyo on the current view of the biology and chemistry of Interleukin 1.

Daniel Montgomery, assistant professor of landscape architecture, presented three juried papers, "Solar Zone Mapping," "Aesthetics of Passive Low-Energy Alternatives" and "Aesthetics of Alternatives to Passive and Low-Energy Facilities," at the first International Passive and Low-Energy Alternatives Conference in Bermuda.

Dr. Margaret Newman, professor of nursing, has been appointed to the American Nurses' Foundation Research Advisory Committee.

Dr. Jerry Olson, associate professor of marketing, presented an invited paper on "Psychophysiological Measurement of Advertising Effects" at the 35th Annual Congress of the European

Society for Opinion and Marketing Research in Vienna, Austria.

President Oswald received the Cal Aggie Alumni Association's 1982 Distinguished Achievement Award at an Alumni Day program at the Davis campus, University of California. Dr. Oswald was a graduate student at the campus from 1938-42 and later served as assistant professor of plant pathology.

Dr. G.P. Patil, professor of mathematical statistics, has been appointed to the Committee of Statistics and Environment of the American Statistical Association.

Dr. Vladimir Stubican, professor of materials science and engineering, was an invited lecturer at the Second International Meeting on "Transport Phenomena in Nonstoichiometric Compounds" in Aleya, France, organized by the French Institute CNRS and NATO.

Bruce Trinkley, associate professor of music, has been appointed to the Board of Directors of the Intercollegiate Musical Council.

Dr. Eric R. White, affiliate assistant professor of education and co-coordinator of the Freshman Testing, Counseling, and Advising Program, has been elected to the Board of Directors of the National Academic Advising Association (NACADA) as the multiversity institutional representative.

Phenomenology summer program fills a U.S. need

"Phenomenology is still a leading school in philosophy in Europe, but in the United States there are very few departments which offer a systematic program in phenomenology," says Joseph J. Kockelmans.

Dr. Kockelmans, a phenomenologist and professor of philosophy at the University, says that "in Europe the position of phenomenology in philosophy is quite different from that in the United States; whereas in Europe phenomenology together with neo-Marxism finds itself at the center of the philosophical world, in the United States this center is occupied by the different trends which constitute the so-called analytic tradition."

To introduce U.S. students and others who do not have easy access to phenomenology to this trend in philosophy, a group of phenomenologists developed the first U.S. summer program in phenomenology which was held at the University Park Campus from July 19 to Aug. 14. The program was supported by the University and made possible in part by a grant from the Office of the Provost. The program, which consisted of four one-credit graduate courses in phenomenology and several seminars and symposia, was organized jointly by the Center of Advanced Research in Phenomenology (CARP) and the Penn State Department of Philosophy. Dr. Kockelmans is vice-chairman of the Center, which was founded in 1971 and headquartered at Vanderbilt University. What is phenomenology? Defining it in

a few words or even in a few pages is difficult. Dr. Kockelmans says,

"It can be described briefly, however, as the systematic study of things as they manifest themselves; it is the critical reflection on what is immediately experienced. Phenomenology is not directly concerned with the experiences themselves taken in isolation, but rather with the things themselves insofar as they are experienced by human beings."

"For example," he says, "a phenomenologist is concerned with the world insofar as it can be perceived; his main concern here, however, is not with the act of perception but with the things perceived. Or a phenomenologist may be interested in society, but then his interest is not primarily in the experiences he or she may actually have had with a given society. Thus the phenomenologist is concerned mainly with the *essence* of things as they are given in immediate experience."

Edmund Husserl, born in Czechoslovakia in 1859, is the founder of the movement. He studied mathematics, physics and philosophy at Austrian and German universities and lectured at the universities of Goettingen and Freiburg in Germany.

Prof. Husserl's philosophy was the subject of one of the courses offered during the summer program. "Introduction to Husserl's Transcendental Phenomenology," Dr. Thomas M. Seebom, professor of philosophy, taught the course. He is also the originator of the new program.

Dr. Seebom is a member of CARP, which also sponsored the first summer program in phenomenology in Perugia, Italy, in 1975. He is also one of the three phenomenologists at Penn State, with Dr. Alphonso Lingis and Dr. Kockelmans.

Having three phenomenologists in three different areas of study at the same university is rare. Dr. Kockelmans says. Most other universities which employ phenomenologists have only one or two specialists, and these usually concentrate on one area in phenomenology only.

The program benefits from having so many phenomenologists at one university, which is one of the reasons it is being held at Penn State. The program developed from a concern by many that there are a great number of students in the United States who would like to learn more about phenomenology.

"Every phenomenologist has known for a long time that there are quite a few graduate students who want and need to know more about phenomenology, but have no place to go," Dr. Kockelmans says. In most cases, the students are enrolled in universities that don't offer courses in phenomenology. Transferring to another university just to study the subject is not always feasible, he says.

The solution to this dilemma was to bring together interested graduate students for a short, condensed program of courses, symposia, lectures and informal discussions.

"Our stress is on quality," Dr. Kockelmans says. "We invited the best people in the field to be visiting professors

of the Department of Philosophy. We can easily do so because the best people are either our teachers or our colleagues. We belong to the second or third generation of phenomenologists."

Response to the first program, which was administered by professors Kockelmans and Seebom, Dr. Carl G. Vaught, head of the Department of Philosophy and Lester E. Embree, secretary of CARP and professor at Duquesne University, was very good.

"We had more people than we expected," Dr. Kockelmans says. In addition to the 35 people who enrolled for credit, 30 others sat in on the courses.

Students came from the United States, Canada and Europe and represented philosophy, psychology, sociology, art, music, geography, astronomy and physics departments.

"We hadn't counted on the large size of our audiences," Dr. Kockelmans says. "We would have held the program if only 10 students had enrolled; however, 35 students enrolled in the program and, we drew some of our audience from Penn State as well."

Because of the success of the first program, Penn State will host the second annual summer phenomenology program in 1983. While this year's program concentrated mainly on the phenomenologists Husserl and Martin Heidegger, next summer's program will focus in addition on Max Scheler, Jean-Paul Sartre and Maurice Merleau-Ponty.

—Deborah A. Benedetti

William L. Hassinger, general poultry worker in the College of Agriculture, has retired after nearly 33 years of service.

Mr. Hassinger joined the University in 1949 as a poultry-man and was later promoted to the position which he held until his retirement.

Mr. Hassinger's responsibilities with the University have been wide-ranging and included feeding and watering the poultry, weighing the birds and their eggs, checking bird identification, and monitoring sick and diseased birds, as well as performing maintenance operations on equipment.

Mr. Hassinger currently lives in Coburn.

Margaret G. Ewing, instructor in history in Beaver from Sept. 1, 1968, to Nov. 1,

Maria R. Walker, residence hall worker, Housing and Food Services, from Sept. 21, 1969, until Oct. 30.

Sara Y. Confer, secretary in Agriculture, from Dec. 1, 1969, until Oct. 23.

Elmer E. May, environmental health worker, Hershey, from April 6, 1970, until Oct. 1.

Jane E. Swartz, assistant extension agent, Lyscoming County, from May 1, 1972, until Sept. 25.

Carpoolers

Jenny King wants to share the driving from Bellefonte to the University. She works in Willard Bldg. from 8 a.m. to 5 p.m. and can be reached at either 865-7681 or 355-0232.

Thomas Streck will share the driving from Lock Haven to the University. He works in Shields Bldg. from 8 a.m. to 5 p.m. and can be reached at either 863-1437 or (717) 748-2371.

Richard T. Sodergren has been named associate registrar effective Oct. 1. He replaces Elwood M. Wagner who retired.

Mr. Sodergren will be responsible for a portion of the overall Registrar's support services as well as all liaison with the Commonwealth Educational System. He

will act for the University Registrar in his absence.

Mr. Sodergren, a University employee since 1969, received his bachelor's degree from Lock Haven State College. He has served as director of registration and scheduling since July, 1979.

Appointment

Ed. Services wins awards

The Information Film Producers of America has presented "Cindy" Finalist Awards (honorable mention) to two films produced by Educational Services at the University: "Ghost Rider," a film on school bus safety, and "Kids as Consumers," a program from the weekly instructional television series "What's in the News."

"Ghost Rider," which was produced and directed by Chuck Ungar, is a dramatized film for middle-grade students designed to teach children about safe evaluation of a school bus.

June Altizer Bayless served as associate producer on the project. Technical assistance was provided by the Institute for Motor Fleet Training.

"Kids as Consumers" was produced by Ann Shields, directed by Sandra G. Thomas, and written by Kathleen O'Toole. Its target audience also was students in intermediate grades.

Executive producer for both programs was George Thurman. Educational Services is part of the University Division of Learning and Telecommunications Services.

Faculty/Staff Alerts

The University is instituting a new system under which any employee may have his or her paycheck directly deposited in a banking facility in Pennsylvania.

In the past, a minimum of 25 employees was required at any one banking facility in order to provide direct deposit. The new system, Electronic Funds Transfer, is being operated through Mellon Bank.

Under the new plan, any employee may have his or her paycheck deposited in any bank or savings and loan association in the state in either a checking or savings account. Checks will be deposited on the morning of payday.

The Office of the Senior Vice President for Finance and Operations will send salary deposit request cards and a letter explaining the new system to employees with their checks on Oct. 29. In order to have their salary deposited under the new procedure, employees must complete a two-part form, returning one copy and a remitted or voided check to the Payroll Department by Dec. 1. The cancelled or voided check is required in order to

ensure the correct bank and employee account number.

For those who select this option, direct deposit will begin with the bi-weekly payroll payable Jan. 7, 1983. A memorandum of deposit will be sent each pay period to employees at their campus address. There will be no change for employees who now have direct deposit.

The University will again this year withhold the Occupational Privacy Tax of \$10 from all University Park employees who are liable for the tax.

For faculty and staff members who are paid on a monthly basis, the tax will be withheld from paychecks dated Nov. 30. For all other employees (technical service, graduate assistants and wage), the deduction will be made from paychecks dated Nov. 12.

If any employee wishes to appeal his liability for this tax, he should apply directly to Michael S. Groff, tax administrator, 118 South Fraser Street,

State College, PA 16801. Department heads are asked to be sure that part-time wage employees are aware of this tax.

The Pitt vs. Penn State game will be played at University Park on Friday, Nov. 26, the day after Thanksgiving, which is a bi-weekly pay date. Normally, many employees schedule time off the Friday after Thanksgiving. In order to accommodate these employees and to avoid campus traffic problems, the bi-weekly payroll scheduled to be paid Friday, Nov. 26, will be paid as follows: This payroll will be paid Wednesday, Nov. 24, and distribution of checks and deposit slips will be the same as that on regular pay days.

The checks, although distributed Wednesday, Nov. 24, will be dated Nov. 26 and should not be cashed prior to the Nov. 26 date. Banks will be reminded not to cash the checks prematurely.

Employees who have their checks deposited directly into their bank accounts will not be affected.

Parking rules and regulations at University Park will be modified to allow any area parking for faculty and staff on Friday, Nov. 26. However, vehicles must be parked in bona fide parking spaces, and regulations concerning individual reserved parking spaces will remain in effect.

Incoming football traffic patterns for the Penn State/Pitt football game will be put into effect at approximately 9:30 a.m. and could create inconveniences for those attempting to depart the north and east sections of campus before 3 p.m. when the traffic patterns are reversed.

Parking lots at Shields Building and Wagner Building will be closed. Curtin Road in front of Shields and Wagner Buildings from University Drive to Shortridge Road is a pedestrian walkway during home football games. Parking lots at East Halls, which can be entered from University Drive only, should not be used unless the vehicle is to remain until traffic patterns change at 3 p.m.

The football game is scheduled to begin at 1 p.m. and is expected to end at about 4:15 p.m. Heavy traffic to and from the game is anticipated.

Engineering shop offers university-wide service

"Even though it's located in Hammond Building, and even though 90 percent of its projects are for the College of Engineering, Engineering Shop Services is for the entire University. That includes not only University Park, but also all Commonwealth Campuses and the Milton S. Hershey Medical Center."

So observes Robert Houtz, Engineering facilities coordinator.

"Basically, Engineering Shop Services (ESS) manufactures custom equipment for special research and educational needs. These might include special racks for laboratory equipment or even the equipment itself," Mr. Houtz says.

While the facilities of ESS are diverse — they include complete wood, machine and welding shops and limited sheet metal working machinery — it is the skill and technical knowledge of the staff which allow them to build just about anything. "Some of the more intricate past projects include a lucite lung unit and heart pumps for the Bioengineering Program," Mr. Houtz continues, "and a 40-foot wind tunnel for the Department of Aerospace Engineering."

Presently, Mr. Houtz notes, ESS is constructing an ion flow tube, built solely of stainless steel, for the College of Science, which will require some 2,500 man-hours.

"Few projects are this large, but most

are built from conventional materials such as steel, aluminum, wood, brass and stainless steel. However, projects involving precious metals — such as gold, silver and platinum — are not uncommon."

George Fields, the shop supervisor who maintains the day-to-day schedule of assignments for shop employees, describes the way most projects are born.

"Generally a professor, graduate or undergraduate student will have a special need and will be referred to us by a past customer. After discussing the matter, we will draw up detailed plans, choose proper materials and make an estimate of cost."

He continues: "Most projects can be completed in the shop; however, some require close cooperation between professor and machinist. Consequently, a machinist may spend considerable time on the project site performing modification and assembly tasks."

"ESS bids on a self-sustaining income — its only source of revenue is payments for projects completed. The cost of a project is billed to the appropriate department or research fund," says Mr. Houtz, whose responsibilities include being in charge of budget and planning for ESS.

"Though work is a bit slow at the start of each term," he adds, "there is always

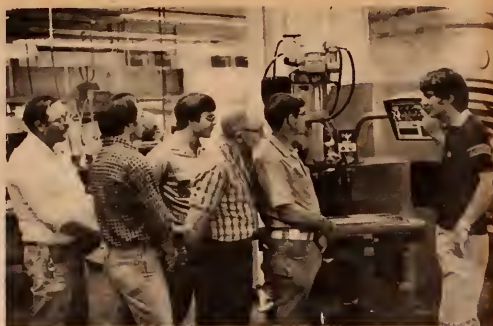


Photo: Tom Kenda

George Fields, Engineering Shop Services supervisor, explains use of new computer-controlled milling machine to machinists, from left, Barry McKinley, Don Lucas, Jim Kustenborder, Paul Wilson and Dick Lowery.

enough to keep the five machinists, supervisor and secretary busy."

Engineering Shop Services falls under the administration of Dr. Edward A. Klevas, associate dean of research in the College of Engineering.

Whenever possible, more equipment is added to the shop to increase its versatility. "Early in October, we received a Computer Numerical Control Vertical Milling Machine (CNC)," Mr. Houtz notes.

At present, only supervisor Fields is trained to program this machine, which

when properly programmed, can perform even the most difficult milling tasks with speed, extreme accuracy and as often as needed. Eventually, all five machinists will attend the five-day training seminar conducted by Bridgeport Machines Division of Textron Inc., makers of the CNC, to learn how to operate it.

So if you need something made, Mr. Houtz says to stop by the shop, 148 Hammond Bldg., from 7:30 a.m. to 4 p.m. any weekday, or call him at 865-4963.

— Scott Nelson

News in Brief

Advanced ticket sales for an international collegiate men's gymnastics meet between Penn State and the USSR open Sunday, Nov. 14.

The first-ever collegiate match between USSR and USA collegians, scheduled for 7:45 p.m. Friday, Dec. 10, in Recreation Building on the University Park Campus, has been approved by the Central Committee on Sports in the USSR as well as by the NCAA and the U.S. Gymnastic Federation.

Counter and mail order ticket sales begin at 1 p.m. Sunday, Nov. 14, in the Athletic Ticket Office, 203 Recreation Bldg.

All seats are reserved and are priced at \$4.00 for adults and \$2.00 for Penn State students and youths 18 and younger. Applications will be processed on a first-come, first-served basis. A sellout is anticipated. Tickets will be mailed shortly after Nov. 14.

Faculty members working with seniors interested in pursuing graduate study are asked to alert them of the opportunity to apply for Alpha Lambda Delta Fellowships. These fellowships are available to seniors with a 3.50 GPA who were inducted in Alpha Lambda Delta Honor Society as freshmen.

For further information, contact Dr. Betty L. Moore, 135 Boucke, 863-2020, by Dec. 10.

The Penn State Forestry Society will sell Christmas trees this year for department, staff, or home use.

Species available are Douglas Fir, Blue Spruce, and Scotch Pine, all at \$3.00 per foot. Delivery is free on campus and \$1.00 off campus.

To order your tree, call Karen Knisely, 865-4237, Monday through Friday, from 8 a.m. to 5 p.m. Trees bought by departments may be paid for by Interdepartmental Transfer on delivery. All others should be paid by cash or check to the Penn State Forestry Society.

The Department of Independent Learning will hold an open house in Room 128 Mitchell Bldg. from 9 a.m. to 4 p.m. Tuesday and Wednesday, Nov. 9 and 10. Faculty and staff members, students, and members of the community are invited.

The Department of Independent Learning serves over 11,000 students a year and has received many national awards for its study materials, which allow students to earn college credit at their own pace outside the traditional classroom.

Information about the Independent Learning program and about the other departments of Learning and Telecommunications Services, of which Independent Learning is a part, will be available at the open house.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Nov. 15, 1982. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (FES-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

• **Admissions and Student Records Counselor, Behrend College** — Responsible to the admissions officer for tasks related to admissions at Behrend College and for the proper development and maintenance of associated records, systems and procedures. Duties include interviewing, screening and making preliminary admissions decisions for non-degree, advanced standing and undergraduate resident instruction students, and providing information to parents and prospective students regarding academic programs and degree requirements offered. Travel and presentation of recruiting programs in high schools, junior colleges, community colleges, commonwealth campuses and other student recruitment opportunities are also required. Bachelor's degree or equivalent plus one to two years' effective experience in an academic environment or master's degree in

student services and up to one year of experience.

• **Programmer, Management Services, University Park** — Analyze and design or modify program logic; prepare and interpret general and detailed flow charts and structure charts; code program instructions; prepare test data; test programs and program systems; document programs and program systems; prepare or modify JCL. Bachelor's degree or equivalent in computer science or related field plus six to nine months of effective experience. Proficiency with COBOL on third generation computer equipment is desired. THIS IS A FIXED TERM APPOINTMENT FROM DATE OF APPOINTMENT THROUGH JUNE 30, 1983. PROBABLE RENEWAL.

• **Director of Registration and Scheduling, Office of the University Registrar, University Park** — Responsible to the University Registrar for the coordination and supervision of all activities related to the registration of all credit and non-credit enrollments at all locations of the University. This position includes the responsibility for all classroom scheduling and final exam scheduling at the University Park Campus. Prepare for publication the Schedule of Classes, the Supplement to the Schedule of Classes, the Final Exam Schedule, the Conflict Exam Schedule, and numerous articles and instructions pertaining to Registration. Bachelor's degree and more than four years of effective experience in an administrative and/or supervisory position.

• **Procedures Specialist, Controller's Office, University Park** — Responsible to the director of Systems and Procedures for the reviewing, investigating, analyzing and development of new and improved general and specific procedures for all departments of the

University. Bachelor's degree (or equivalent) in business administration plus three to four years of effective experience in internal financial controls, procedures, forms control and similar administrative management work.

• **Gait Analysis Coordinator (Physical Therapist), College of Medicine, Hershey** — Responsible to the director of the Gait Analysis Laboratory for utilizing various modalities of electronic testing devices to obtain objective information on walking ability in disabled patients. Bachelor's degree in physical therapy or equivalency plus one to two years of effective experience, which should include experience as a physical therapist and in EMG techniques.

• **Administrative Aide, Intercollegiate Research Programs, University Park** — Under direction of the director of Industrial Research and

Innovation, administer University and miscellaneous budgets. Prepare monthly budget reports for research projects. Assist in research proposal preparation and processing. Assist in preparing printed materials. Determine interest of industrial and government inquiries and discuss with faculty and administrators to match inquiries and areas of University expertise. Plan and coordinate visits to the University by industrial and government representatives and visits by University faculty and staff to industry. Supervise full and part-time employees. Associate degree (or equivalent) and from two up to and including three years of effective experience required. Experience in an administrative and/or supervisory capacity preferred; budgetary experience necessary.

INTERCOM
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Penn State Intercom

New Interview Center being developed

University students will have a professional atmosphere in which to conduct interviews with potential employers on completion of the Career Development and Placement Center's new Interview Center on the University Park Campus.

The University is seeking \$500,000 from companies, corporations, industries and agencies for development of the center — expected to be completed early next year — in the former Bookstore location on the ground level of McAllister Building.

The new Interview Center will feature 40 private soundproof, air-conditioned interview rooms, a lounge for recruiters, student waiting areas, a conference room, and telephones and typewriters for use by recruiters.

According to Dr. Richard G. Swails, director of the Career Development and Placement Center, Penn State has become one of the nation's leading suppliers of new employees to business and industry.

Last year on the University Park Campus, representatives of more than 1,000 businesses, industries, and government agencies conducted over 28,000 interviews with close to 5,000

graduating Penn State students.

"Our facilities in Boucke Building were fine some nine years ago when we had fewer than 500 companies recruiting on campus," Dr. Swails notes. "But, as we have been more aggressive in attracting companies, we have created the problem of accommodating them."

"We've had to use facilities not designed for interviewing purposes, including some temporary cubicles in the Hetzel Union Building. The situation has not exactly made a good impression on the recruiters."

While funds are being sought from private industry for development of the Interview Center, the University is providing the space — some 10,000 square feet — and will pay the maintenance and utility costs, estimated at \$27,500 annually.

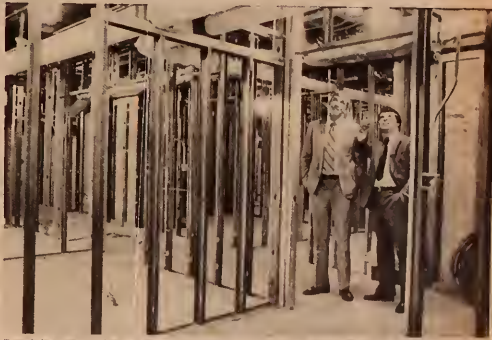
"We see the center as a partnership between the University and industry," Dr. Swails said. "Before undertaking the fund-raising campaign, we contacted some industry officials to get their reaction."

"While companies have traditionally made gifts to universities, it usually has been for academic areas. Nobody had

given to any significant degree to a college career development and placement center. But the people we talked to felt we could

be successful because of Penn State's reputation in the corporate sector."

(Continued on page 2)



Examining construction progress in the new Interview Center in McAllister Building are Dr. Richard E. Grubb, left, senior vice president for administration, and Gary A. Cluff, manager of corporate employment for Owens-Corning Fiberglas, which has made a significant contribution to the center.

Hershey addition will open at ribbon-cutting ceremony

A ribbon-cutting ceremony to officially open the new Clinical Sciences Addition at the Hershey Medical Center will be held at 2 p.m. Friday, Nov. 19. President Oswald, Walter J. Conti, president of the Board of Trustees; William K. Ulerich, University Trustee and chairperson of the Medical Center Advisory Committee, and Harry Prystowsky, dean of the College of Medicine and provost of the Medical Center, will be among those participating in the ceremony.

Ground was broken in 1980 for the 58,000-square-foot addition. It will

provide additional space for the departments of anesthesiology, medicine, obstetrics and gynecology, psychiatry, pathology, pediatrics, radiology and surgery. Laboratories for the various departments were custom-designed to accommodate specific needs of the individuals in each department.

The Clinical Sciences Addition is completely accessible to handicapped persons. Among other architectural features are elevators equipped for the visually handicapped, with braille figures on the control panels and bells that signal the passing of each floor.

Senate studies faculty input

The Faculty Affairs Committee of the University Faculty Senate will begin to try to formulate procedures for faculty participation in selecting high administrative officers of the University.

Dr. Frederick W. Lampe, committee chairman, told the Nov. 9 Senate meeting that the project is being undertaken because of concern voiced over the recent presidential selection process.

He said the committee is soliciting ideas, comments and suggestions.

In other business, Dr. Joseph A. Dixon, Senate chairman, announced at the meeting that University President-Elect Bryce Jordan will meet with the Senate Council while on a visit to the University on Nov. 29.

The Senate also:

— Heard Dr. James B. Bartoo, chairman of the Calendar Conversion Council, report that most of the major policies and conversion matters "are in place."

— Approved a recommendation from its Committee on Undergraduate Instruction on criteria for graduation with distinction.

— Received an informational report on special admission programs from the Committee on Admissions, Records and Scheduling.

— Discussed a report from Mary McCammon, chairman of the Committee on Computer and Information Systems, on student use of terminals.

— Heard informational reports from the Committee on Undergraduate Instruction on the University Scholars Program and the University Testing Service.

Returning Adult Student Center to be established

President Oswald has authorized establishment of a Returning Adult Student Center at the University Park Campus following a recommendation by the University's Commission for Women.

"The center will advise older students on University policies and procedures," Dr. Oswald said. "It will coordinate existing services, and serve as a clearinghouse for information."

"In general, it will be a place where returning students can get mutual support, share their experiences and gain a sense of belonging to the University. Those are needs of returning students that the Commission's studies have identified."

Jane McCormick, chairperson of the Commission for Women, said the project began about a year ago, with discussions about the special needs of returning women students. A Commission task force chaired by Nancy Lyday, a Penn State graduate student, collected data and conducted informal surveys of groups and individuals at the University.

The Returning Adult Student Center 'will be a place where returning students can get mutual support, share their experiences and gain a sense of belonging to the university.'

President Oswald

"We determined there was a need for such a center," said Ms. McCormick, assistant vice president for student affairs. "In our discussions, we defined returning students as those who were 25 years old or older."

The Commission also examined the literature and talked to researchers before submitting a proposal to Dr. Oswald for establishment of the center. The center, Ms. McCormick said, will serve all returning students — both men and women, and continuing education and non-degree students as well as degree candidates.

Expected to open in January or February, it will be located temporarily in the Donovan Room of the Hetzel Union Building. Its facilities will include a

lounge, conference room and office space.

It will be staffed by a fulltime coordinator, with clerical support. The center will share its location with Penn State's Women's Studies Program.

"There are several groups on campus that already offer various services to returning students, and one of the center's primary roles will be to make sure students are aware of those offerings," Ms. McCormick noted. "Our proposal for the establishment of the center also included a recommendation that its coordinator form an advisory board, composed of people representing the various areas that offer these services."

Those areas include Continuing Education, the Career Development and Placement Center, the Division of

Undergraduate Studies, the Office of Student Aid, the Office of Admissions and the Office of Student Affairs, among others.

Fall graduates receive degrees

More than 1,850 graduates are scheduled to receive degrees at Fall Term commencement exercises at the University Park Campus at 10:30 a.m. Saturday, Nov. 27, in Recreation Bldg.

President Oswald will award degrees, assisted by Trustee Stanley G. Schaffer of Pittsburgh. Provost Eddy will preside at the exercises. Dr. Robert E. Dunham, vice president for undergraduate studies, will speak.

Separate commencement exercises at Behrend College and Capitol Campus will bring the University-wide total of graduates to more than 2,050.

Preview of the Dec. 2 issue

Holiday gift ideas coming

The next issue of *INTERCOM* will include more than a hundred gift ideas for the holiday shopping season. The three items pictured are examples of what's available from the Museum of Art gift store, Penn State Bookstore, Greenhouses, Creamery and other University stores and organizations also will have gift ideas.



This Art Nouveau pewter pendant is available from the Museum of Art gift store.



Woven wall hangings such as this one come from all over the world and are for sale in the Museum of Art gift store.



'Scherschnittje' — framed scissor cuttings of Pennsylvania Dutch designs like this one are available from the Museum of Art gift store.

Calendar Conversion Council appoints 2 committees

Appointment of two committees relating to the summer session under the semester calendar were announced at the Nov. 10 meeting of the Calendar Conversion Council.

Carol A. Cartwright, associate dean for academic affairs in the Commonwealth Educational System, was appointed chairman of the search committee for a summer session director.

Members are Janet Atwood, associate professor of health and physical education; James R. Dungan, secretary of the Calendar Conversion Council; Kathryn M. Moore, research associate in the Center for the Study of Higher Education; William M. Parsonage, director of the Commonwealth Educational System programs in the College of Human Development; Stanley F. Paulson, dean of the College of the Liberal Arts; Horst VonDorowski, assistant to the dean of the College of Education, and Patricia W. Ward, professor of French.

Dr. James B. Bartoo, dean of the Graduate School and chairman of the Calendar Conversion Council, is chairman of the Summer Session Advisory-

Implementation Committee. He said the committee will be providing needed details to policy until a director is appointed.

Committee members are Glenn G. Carter, assistant dean of admissions; Dungan; Robert E. Dunham, vice president for undergraduate studies; Loren M. Fortado, director of planning and budget; Henry R. Hermanowicz, dean of the College of Education; Arthur O. Lewis, associate dean of the College of the Liberal Arts; George R. Lovette, associate senior vice president for finance and operations.

Also, William McHale, associate dean for resident instruction in the College of Arts and Architecture; Raymond O. Murphy, vice president for student affairs; Robert J. Scannell, vice president and dean of the Commonwealth Educational System; Barbara J. Smith, associate librarian, and Thomas Wartik, dean of the College of Science.

It was reported at the meeting that President Oswald has approved a set of basic principles for the eight-week summer session beginning summer, 1984. In other business, the Council:

- Received the final report of its Staff and Clerical Contracts Committee.
- Discussed circulation of a

questionnaire on instructional workload to faculty members at the University Park Campus.

Proehl and Harding

(Continued from page 1)

probably are not where the map says they are."

Harding calls herself a "frustrated traveler." "With maps, I go all over the world. When I handle a research request, I often discover a place I never knew about before. I look at terrain, at the names of towns." She slides a map of Syria out of its folder, points at a town. "Qahramaniyah. I'm sure I'm pronouncing it wrong. People live there, grow up there, die there — and probably never leave." She looks up. "I'm luckier."

Harding, Proehl, and their coworkers handle about 20,000 reference requests. "That's a lot for a university map collection," says Proehl, "but then we're a big collection. According to figures

compiled in 1979, we're the tenth largest academic collection in the country. As of today, Fattee has 261,917 maps in the files, plus thousands we haven't catalogued yet."

Harding is called away by a professor of sociology, who says he is teaching a course called "Wilderness, Technology, and Society." The professor wants a map showing the confluence of the Salmon and Kobuk rivers in Alaska, where there is a fishing camp mentioned in John McPhee's book *Coming into the Country*. Harding opens a gray metal file. She checks an index, pulls a map, and runs her forefinger over the sheet. She points at the spot. "No cabin there," she says.

— Charles Ferguson

College credit earned

(Continued from page 3)

for offering by an academic department of Penn State," Dr. Mercer adds. "Each has been developed by a faculty member at that academic department, and each course is instructed by either the course author or another approved faculty member of the academic department."

Dr. Mercer notes that libraries, observation, books and television are all informal means of independent learning. "The University has taken all these ways of learning and formalized them into a system which allows a student to study a carefully organized body of knowledge

under the direction of a university faculty member without having to come to campus.

"We use the mail for lessons and when necessary, a toll-free telephone line for student-faculty conferences. Our emphasis is on quality education at a time and place convenient to the student."

Dr. Mercer says that Penn State works hard to provide flexibility to the student. "Fitting our educational program to the circumstances and needs of the student is what independent learning is all about."

New Interview Center

(Continued from page 1)

The fund-raising campaign is being directed by James H. Brucker, director of major gifts in the University's Office of Gifts and Endowments.

"More than \$225,000 has been raised to date," he says, "and if the gifts continue at the current rate, we will meet the goal."

Dr. Brucker feels the response to the Interview Center project has been "impressive for such a unique effort." "We already have raised, I believe, more for a general university career development and placement center than has any other higher education institution. This is particularly impressive in the

current difficult economic times. It is indicative of the quality and quantity of our graduates and of how well the Career Development and Placement Center at Penn State is regarded."

Dr. Swails believes the new Interview Center will have a positive effect on both the recruiters and University students.

"For many of the recruiters, this is their first contact with Penn State and the impression they get may affect a number of decisions in the future. A professional, businesslike atmosphere, reflecting the same kind of environment they're coming from, does have a real effect on how they perform their interview function.

Museum talk on Dutch art set

Dr. James A. Welu, chief curator of Worcester Art Museum, will speak on "The Boredello in Dutch Art: Some Room for Thought," at 10:30 a.m. Tuesday, Dec. 7, in the Museum of Art. The talk is sponsored by the Friends of the Museum; it is free and open to the public.

Dr. Welu began serving as chief curator at the Worcester Art Museum in 1980. He began his work there in 1974 as assistant curator.

Dr. Welu has directed the installation of 24 of the Worcester Art Museum's major exhibitions, and has directed all

of the Museum's gallery reinstallations.

He exhibited "17th Century Dutch Painting: Raising the Curtain on New England Private Collections" at the Worcester Art Museum in 1979. He has lectured often and had several pieces published during his distinguished career.

Dr. Welu received his M.A. and M.F.A. at the University of Notre Dame, and his Ph.D. from Boston University in 1977. He received the National Endowment for the Arts Museum Professional Fellowship Grant in 1981.

"It will, I think, enhance our students' chances of competing successfully for their first position. At the same time, it will be an educational kind of experience for our students in that it will give them a better taste of the kind of environment in which they'll be working."

While the on-campus recruiting program is the most visible aspect of the Career Development and Placement Center, Dr. Swails points out that the Center staff is involved in a wide range of career counseling activity.

"We are very concerned about helping our students find a sense of where they want to fit. Our staff teaches ten courses on various aspects of job search and career counseling. We've conducted more

than 300 job-related and career planning outreach programs in residence halls, fraternities and for student interest groups.

"Completion of the Interview Center will allow us to expand our library facilities in Boucke Building and provide more space to conduct these other aspects of our career development efforts."

INTERCOM is an internal communications medium published for the faculty and staff of The Pennsylvania State University.

William E. Campbell, Jr., Editor
Deborah A. Benedetti, Assistant Editor
Dorothy Editor — 865-2501

Researcher studies protein linked to arthritis

There was a crooked man and he walked a crooked mile. . . .
 Maybe, like 31.6 million Americans, he had arthritis. Almost everyone who lives long enough develops some form of the disease. X-ray film studies indicate that 97 percent of those over age 60 have some form of arthritis. In addition, the pain, inflammation and crippling effects also claim 250,000 infants, youngsters and teenagers. This staggering toll makes arthritis the nation's number one crippling disease.

Although most people who live long enough can expect arthritis is in no way "normal" but is rather the result of a most abnormal event. In arthritis, the immune system of the human body turns on itself, attacking and destroying its own connective tissue.

The immune system normally protects us from infection. One of its star performers is a cell called the macrophage or "big eater," so named in the 1800s because it engulfs or "eats" bacteria that invade the body to cause infection.

"We now know that the macrophage's role is much greater," says Dr. Steven B. Mizel, associate professor of immunology. "It is involved in all immune and inflammatory responses in the body." As such, macrophages play a crucial role in rheumatoid arthritis, osteoarthritis, silicosis and many other chronic inflammatory diseases.

The macrophage not only participates in the initiation of these diseases but recruits other cells that enhance the disease process."

How the macrophage does this has been the subject of Dr. Mizel's research since 1976. Based on his work and that of others, scientists now know that macrophages make a specific protein called Interleukin 1.

At the National Institutes of Health during 1976 to 1980, Dr. Mizel and colleagues were the first to purify Interleukin 1. He has since found that the protein is the signal used by the macrophage to tell inflammatory cells to make the substances that causes inflammation and, in the case of arthritis, to destroy tissue in the joints.

"When Interleukin 1 is released into the synovial fluid (the lubricant in joints) it induces the synovial cells to make several products, including collagenase," Dr. Mizel says. "Collagenase destroys collagen, a connective tissue component. And, if you destroy collagen, you damage tissue."

Prolonged inflammation in joint tissues leads to deformity and loss of function.

Currently, Dr. Mizel is trying to find a way to turn off

or inhibit Interleukin 1. "If you can block the activity of Interleukin 1," he points out, "you can block the pathological events associated with inflammatory disease."

On Nov. 8, Lisa Stoltz, president of Epsilon Alpha Chapter of Alpha Omicron Pi sorority, presented Dr. Mizel with a \$10,000 grant to aid his research. Alpha Omicron Pi has raised nearly \$1 million for arthritis research since 1967. The grant was one of three made by the sorority this year.

Dr. Mizel plans to use the funds for a computer, noting that "our experiments generate so much data that it is difficult to efficiently analyze the data by hand calculations. The computer will allow us to analyze the data faster and, perhaps, in new ways."

In the laboratory, Dr. Mizel and his Penn State research group are taking Interleukin 1 apart. "We want to open

up the molecule in order to isolate the part that binds to the synovial cells. If we can find that section, we can design an inhibitor that doesn't give the same signal."

His strategy, once he finds the binding site, is to design a new molecule that looks like Interleukin 1 but doesn't act like it. The new molecule, taken as a medicine, would substitute itself for Interleukin 1, block the destructive signal, and halt the progress of the disease.

"In early and mild arthritis cases, the body could probably restore light damage," he adds.

Dr. Mizel's research team includes Judith Giri, post doctoral fellow, Mitchell Dukovich, doctoral candidate, and Jay Rothstein and Cindy Hill, undergraduates. The research is supported, in part, by grants from the National Institutes of Health, Public Health Service and the National Science Foundation.

— Barbara Hale



Dr. Steven Mizel and Lisa Stoltz, president of Epsilon Alpha Chapter of Alpha Omicron Pi sorority, examine cells that produce Interleukin 1.

College credit earned through independent study

A growing number of Penn State students are earning college credit through the University's courses offered through the Independent Learning — one of the newest of its kind in American higher education in both numbers of students and courses offered.

Last year, 13,000 students from all 50 states and a dozen foreign countries enrolled for courses as varied as English, physics, sociology, chemistry, foreign languages, business administration and philosophy. In all, 180 courses that may be applied toward a college degree are offered through the Department of Independent Learning. In addition, 29 high school courses and 36 credit free courses are offered.

Melwore Froke, general manager of the Division of Learning and

Telecommunications Services which administers Independent Learning, says that it "helps break barriers for those students who want to learn but are homebound, have conflicting work schedules, lack transportation or who are taking their first higher education courses and lack confidence to compete in a classroom."

"What is truly encouraging is that many, if not most of our 13,000 students, have never studied on a college campus anywhere before. We get them started on what we hope will be a lifetime adventure of learning."

Mr. Froke believes that although the traditional classroom setting will continue to be the way most students learn in the years ahead, more and more educational institutions will develop independent learning programs.

Students who want to study college-level courses for credit without having to attend classes or leave home may enroll in the Independent Learning program at a Penn State Continuing Education office near them. During enrollment, they order the required course materials which are mailed directly to them.

Depending upon the course, materials may include textbooks, audio-visual materials such as slides and audio-cassettes, or in courses where television is to be used as part of the course, a schedule of times and channels to watch the lecture being telecast.

The development of high quality television programs for these courses is important in Independent Learning and the University is a leader in the field.

A study guide developed by Penn State especially for this method of learning is

included in the package of materials. This guide leads the student through a carefully planned course of study. In addition to providing assignments and outlining the procedures to be followed to complete the course, the study guide serves to stimulate interest through additional instruction, graphics or artwork.

Dr. David F. Mercer, director of the Department of Independent Learning, says that this method of learning "is based upon the idea that motivated individuals can and do learn independently. On their own, they can learn skills, information, concepts and attitudes in a setting that is not dependent on a time or location determined by a teaching institution."

"Each of our courses has been approved

(Continued on page 2)

News in Brief

Revised Articles of Authority of the Graduate Council have been approved in a faculty referendum.

Dr. James B. Bartoo, dean of the Graduate School, reported that of 796 qualified ballots, 775 were in favor of the revisions and 21 were against them.

The amended Articles of Authority are being forwarded to appropriate officers of the University.

According to Dean Bartoo, one basic change in the amended articles is that they are more specific about the responsibility of the Graduate Council and graduate faculty with respect to graduate research.

The Nursing Consultation Center is again sponsoring the Learn to Relax Series, a four-session program on stress factors and relaxation techniques. Two programs are scheduled to begin at 7 p.m. Nov. 15 and 3:30 p.m. Jan. 11.

The Center also is sponsoring "Families with Mental Health Concerns," a support group for persons who are trying to cope with a family member who has a mental dysfunction. The group meets at 7 p.m. on Tuesdays in the Nursing Consultation Center lobby. For more information on either program, call 863-2202.

Bookshelf

Poetry book published

Alegria Bendelac, associate professor of French and Spanish at Schuylkill Campus,

is the author of a third book of poetry, *Melanthera*, a book of 22 poems written in French, is published by Jean Grassin, Paris. The title comes from two Greek words: "melan," meaning black, and "anthera," meaning flower. Dr. Bendelac says, Her poems deal with the themes of time and death.

She began writing poetry when she was a teen-ager. Her first book of poetry, *Tomatinne*, published in 1970, won one of France's three main awards — Prix Blaise Cendrars. She published *Tomatinne II* in

1973. The first book deals with her childhood memories of being born in Venezuela and raised in Tangiers, Morocco. The second book doesn't have one theme, but deals with feelings and the sea.

Dr. Bendelac grew up in a bilingual family and came to the United States in 1963. She has been on the University faculty for seven years, teaching French, Spanish and Comparative Literature courses.

See related stories about faculty authors and editors and Penn State Press offerings on page 4.

Penn State Press offerings: 'Dance to the Fiddle'

Dance to the Fiddle March to the Fife — Instrumental Folk Tunes in Pennsylvania. Samuel P. Bayard, editor. 628 pages. \$28.50.

The 651 tunes in this book represent an important part of the musical heritage of North America and comprise what may be the largest collection of Anglo-Celtic-American instrumental folk music. Tunes brought to America by the settlers remained essentially unchanged throughout Pennsylvania, preserving a musical tradition that prevailed until the recent past. Modernization, which brought an end to isolation, also brought an end to this musical tradition as the tunes were diluted and homogenized by outside influences.

Prof. Bayard, professor emeritus of English and comparative literature at the University, began collecting tunes in southwestern Pennsylvania (Greene County) in 1928 by listening to fiddlers and fifers and transcribing what they played into standard musical notation by ear. Later, he used a tape recorder.

The introduction describes the character of the tunes, playing techniques and circumstances in which the tunes were played. The tunes are arranged by function and labeled for the instruments used to play them. The appendix connects the tunes to other related tunes outside of Pennsylvania. The book also includes biographical sketches of the performers in addition to a list of sources and an index to titles.

Mixing Memory and Desire — The Waste Land and British Novels. Fred D. Crawford. 172 pages. \$16.50.

The book deals with the influence of T.S. Eliot's poem, "The Waste Land," on British novels. Dr. Crawford traces echoes of the poem in 17 major British novelists' work.

In Part I, he assesses the poem's early impact on established writers, such as E.M. Forster, D.H. Lawrence and Aldous Huxley. Part II examines the influence of the poem on novelists who came to prominence in the 1930s, such as Evelyn Waugh, George Orwell, Christopher Isherwood, C.S. Lewis and Graham Greene. Part III focuses on Iris Murdoch and Anthony Burgess and the images and meanings of the poem in their work.

Dr. Crawford attributes the poem's impact to four qualities: its timing in providing "prototypes for almost every modern problem"; its challenging elusiveness; its ambiguity, which allows readers to find their own meanings in the poem and its haunting symbols and descriptions.

Dr. Crawford is a graduate of the University of Chicago, and received his Ph.D. from Penn State. He is the author of a biography of H.M. Tomlinson, and is

currently working on a study of World War I poets.

Land Reclamation and Biomass Production with Municipal Wastewater and Sludge. William E. Sopper, Eileen M. Seaker and Robert K. Bastian, editors. 524 pages. \$20.

New regulations coupled with increasing costs of chemical fertilizers used in reclaiming strip-mined land have created a need for alternative solutions for land reclamation. This book discusses the use of municipal wastewater and sludge as



soil substitutes and soil amendments to establish vegetation on strip-mined and all disturbed lands.

The book covers topics on: the Pennsylvania Mine Reclamation Program; the Philadelphia Strip Mine Reclamation Program; institutional, legal, economic and public relations barriers; reclamation of gravel pits and iron-ore overburden; forest applications of sludge; vegetation establishment and engineering assessment.

William E. Sopper, professor of forest hydrology, and Eileen M. Seaker, research associate, are at the Penn State Institute for Research on Land and Water Resources. Robert K. Bastian is with the Office of Water Program Operations of the U.S. Environmental Protection Agency.

Bishop of Everywhere — Bernard Shaw and the Life Force. Warren Sylvester Smith. 200 pages. \$16.95.

An advance reader says this book is "a warmly sympathetic spiritual biography... an excellent introduction for the student coming to Shaw for the first time."

The prologue presents three aspects of Shaw's personality as revealed in "John Bull's Other Island." Part I reviews the birth and development of the Life Force idea in Shaw's struggle against cynicism, the conventional response to World War I. Part II compares the Life Force concept of evolution with other scientific and religious views on evolution. Shaw was concerned with why evolution happens, a challenge confronted today by scientists and theologians.

Part III explains Shaw's difficulty in reconciling the Life Force idea with the reality of the modern world. The Life

Force was his central article of faith.

Warren S. Smith, professor emeritus of general education in the arts, directed six Shaw plays while at Penn State. His other books are *Shaw on Religion* and *The Religious Speeches of Bernard Shaw*.

Robert Bage's "Hermesprong." Stuart Tave, editor/annotator. 256 pages. \$20.

This is the first edited and annotated edition of Robert Bage's *Hermesprong — Man As He Is Not* (1796). It is important because it is an English novel that may have influenced Walter Scott, Jane Austen, Thomas Love Peacock and others.

Prof. Tave shows that the novel has political and social interest because it is in part a response to the English attitude toward the French Revolution and to the rights of man and woman.

This edition has a critical and historical introduction by Prof. Tave, a bibliography, a chronology of the author's life, a note on the text, and the text with annotations and textual notes.

Prof. Tave is William Rainey Harper professor at the University of Chicago.

The Playwright and the Pirate. Bernard Shaw and Frank Harris. A Correspondence. Stanley Weintraub, editor. 260 pages. \$18.75.

Stanley Weintraub, research professor and director of the Institute for the Arts and Humanistic Studies, is editor of a book of 121 letters exchanged between Bernard Shaw and Frank Harris during a period more than 35 years.

Dr. Weintraub, who has written more than a dozen books on Shaw, has organized previously published letters in accurate and complete texts for the first time. The letters describe the literary and political climate during Edwardian and Georgian England and wartime America.

The friendship between Shaw considered the leading playwright of his day, and Harris, a former editor of the *London Evening News*, *Fortnightly Review* and the *Saturday Review*, is revealed in the letters.

Shaw, The Annual of Bernard Shaw Studies (Vol. 2). Stanley Weintraub, editor. 224 pages. \$15.95.

Stanley Weintraub has been editor of this annual review for 26 years. Formerly "The Shaw Review," this current volume includes contributions about Bernard Shaw from 18 writers.

Dr. Weintraub reviewed "Bernard Shaw: The Collected Screenplays of Bernard Shaw" by Bernard F. Dukore for this volume. Also included is an essay by Philip Klass, professor of English at Penn State. His essay is "The Lady Automaton" by E.E. Kellett: A "Pygmalion" Source? Professor Klass, who writes science fiction under the pseudonym William Tenn, has been on the faculty since 1966. He has been writing science fiction, humor and satire since 1945.

This volume also examines the influences of Wagner, "Republican Royalism" and Charles Dickens on Shaw. It includes "The Shaw/Dickens File," the "Continuing Checklist of Shaviana" (an annotated annual bibliography) and reviews of new books about the British playwright.

Complementation in Middle English and the Methodology of Historical Syntax — A Study of the Wycliffe Sermons. Anthony Warner. 266 pages. \$16.95.

The author shows how a grammatical account of Middle English sermons can be based on textual evidence. He argues that the language of John Wycliffe's sermons is an important step for the development of Standard English. His study of Middle English grammar tries to bridge the gap between philosophy and linguistics.

The author is in the Department of Language of the University of York.

Bookshelf: Military history, James

Dr. Warren W. Hassler Jr., who has written and edited books on American military history, is author of *With Shield and Sword — American Military Affairs, Colonial Times to the Present*.

Dr. Hassler, professor of American history and Fellow of the Institute for the Arts and Humanistic Studies, has written a narrative of America's military history from the late 1600s to the present. He has combined an analysis of the people involved with their effects on the peacetime and wartime policies of the country.

"The United States of America stands as a maturing though still young nation," he writes. "Though not a militaristic people, Americans have not been unwarlike, and they have been drawn into every world war since the 1600s. In time of peace the United States has seldom maintained a large, permanent, regular military

establishment, especially an army. We have expanded our forces considerably only in time of war."

With Shield and Sword is published by Iowa State University Press, Ames, Iowa.

Dr. Thomas Yawkey, associate professor of early childhood education, has co-edited with R.S. Greene, of San Jose State University, *Early and Middle Childhood: Growth, Abuse and Delinquency and Their Effects on the Individual, Family and Community*. The publisher is Technomic-Medical Publishers of Westport, Conn.

From Marginality to Mainstream: A Mosaic of Jewish Writers, edited by Dr. Daniel Walden, professor of American studies, has been published as the annual issue of *Studies in American Jewish Literature* 2 (1982), by the State University of New York Press.

Dr. James Rameau, assistant professor of English and American studies, has joined the two original authors in preparing the third edition of *A Bibliography of Henry James*.

Leon Edel, James's biographer, and Dan H. Laurence, the Shaw authority and literary adviser to the Shaw Estate, are the original authors of the *Bibliography*, the third edition of which was published recently by The Clarendon Press of Oxford University Press in the *Soho Bibliography Series*.

The third edition contains all of James's original publications, including correspondence and manuscript facsimiles, published since the second edition of 1961, as well as emending all the material of that edition, and remains the keystone of all Jamesian studies.

Dr. Francis T.S. Yu, professor of electrical

engineering and director of the Electro-Optics Laboratory, is the author of a new college textbook.

The 590-page text, *Optical Information Processing: Optical Signal Processing, Fourier Optics*, has been published (November) by Wiley-Interscience, a division of John Wiley and Sons, Inc.

A comprehensive introduction to modern optical information processing, the text is intended for graduate and advanced undergraduate students without an intensive background in electromagnetic theory and classical optics.

It includes an in-depth analysis of white-light optical processing, source encoding and polychromatic processing as well as linear and non-linear holography.

Dr. Yu, co-inventor of a one-step rainbow holographic process whose research has long focused on white-light signal processing, has been a member of the Penn State faculty since 1979.

University Park Calendar

November 18 - December 2

Special Events

Thursday, Nov. 18
Penn State Game of the Week, noon, Kern Lobby.

Friday, Nov. 19
Shaver's Creek Environmental Center, Ecotour, Baltimore National Aquarium, 6:45 a.m.-8 p.m. Registration: 238-5872.

Saturday, Nov. 20
Sports: men's swimming and diving vs. James Madison, 11 a.m.

Monday, Nov. 22
Fixed date for meetings involving Commonwealth Campus faculty.
T.V. Quarterback, noon, Kern Lobby.

Tuesday, Nov. 23
Fixed date for meetings involving

Commonwealth Campus faculty.

Thursday, Nov. 25
Thanksgiving Day, University offices closed.

Friday, Nov. 26
Sports: football vs. Pittsburgh, 12:10 p.m.

Saturday, Nov. 27
Fall Term Commencement, 10:30 a.m., Rec Hall.

Sports: women's basketball vs. Monmouth, 7:30 p.m.

Monday, Nov. 29
Distribution of faculty spaces, 7:15 a.m., Room C106 Pattee.
T.V. Quarterback, noon, Kern Lobby.

Tuesday, Nov. 30
Registration for Winter Term, 8 a.m.-5:30 p.m., IM Bldg.
Life on Earth Series, *The Hunters and The Hunted*, noon, Kern Lobby.

Wednesday, December 1
Registration for Winter Term, 8 a.m.-5:30 p.m., IM Bldg.

HUB Craft Center registration, noon-5 p.m., 312 HUB. Continues through Dec. 5.
Continuing Education English and math placement examinations, 6:30 p.m., Keller Bldg.

Sports: men's basketball vs. Indiana (PA), 8:10 p.m.

Thursday, December 2
Winter Term classes begin
Continuing Education registration, noon-8 p.m., 101 Kern. Also Dec. 3, 9 a.m.-4 p.m.

Sports: women's swimming and diving vs. North Carolina and West Virginia, 1 p.m.; men's swimming and diving vs. West Virginia, 7 p.m.; wrestling vs. Michigan, 7:30 p.m.

Math Colloquium, 4 p.m., 102 McAllister.
Robert F. Wheeler, Northern Illinois Univ., on "Topology and Banach Spaces."
HUB Craft Center Open House, 7:30-9:30 p.m., 312 HUB.

Exhibits

Chambers Gallery

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Gallery hours: 8 a.m.-5 p.m., Monday through Friday. Saturdays, 9 a.m.-noon.
Harriet Rosenberg, installation piece.

Kern Gallery
Gallery hours: Monday through Saturday, 8 a.m.-11 p.m.; Sunday, noon-11 p.m.
Mary Jane Helline, baskets, through Nov. 19.
Roy Fender, ceramics, through Nov. 19.
Vincent Carducci, watercolors, through Nov. 20.

Museum of Art
Museum hours: 11 a.m.-4:30 p.m. Closed Mondays. Museum Tours, Sundays, 1:30 p.m.
Working People: Photographs by Milton Rogovin.
A Decade of Collecting: A Survey of the Museum's Collection.

Visual Arts Bldg. Zoller Gallery
Gallery Hours: 9 a.m.-5 p.m., Monday through Friday. Saturdays and Sundays, 1-5 p.m.
Seven from the 70's Photography Show, through Nov. 24.
MFA Group Show, opening Dec. 1, 5-7 p.m.

The arts: Friends of Museum open membership drive

Tours of the Soviet Union and New York City, Gala dinners, Purchase parties and special previews and receptions are some of the benefits Friends of the Penn State Museum of Art offer to members.

The 1982-83 membership drive for the Friends of the Museum of Art is going on now, says Barbara Palmer, president of the organization for 1982-83. There are 449 members so far, and Mrs. Palmer is eager to increase that number.

"The Museum of Art is the largest museum of its kind between Pittsburgh and Philadelphia," she says. "It is just the right size because you can see all of the museum in one visit."

The Friends of the Museum of Art, formed in 1974 to give financial support to the Museum, is trying to emphasize the benefits the Museum offers as an educational and cultural resource. All membership gifts go toward improving the Museum by acquiring works of art and supporting special projects.

Membership categories include students and individuals as well as family, corporate and other types of memberships, Mrs. Palmer says, making membership accessible to all people.

"Our goal is to broaden membership so we can be of more help to the Museum. We want to further the interest and educational aspects of the Museum and get every Penn State student in here at least one time during their years here."

Anyone interested in becoming a Friend of the Museum of Art or giving a gift membership may contact the Museum office at 865-7672.

Photos of laborers

Portraits of industrial workers on the job and at home by Milton Rogovin are on display through Nov. 28 at the Museum of Art.

Mr. Rogovin's presentation reveals the worker at a pause during the work day, and again with family members in a relaxed setting at home. The 100-piece work provides a blunt, but humanistic and at times tranquil insight into the American industrial worker.

Mr. Rogovin was born in 1909 in New York City, but did not begin showing his photography until the 1960s. Past works have included studies of store-front churches in Buffalo, and miners in West Virginia and eastern Kentucky.

His work has been exhibited at numerous American and European galleries, including a show at Penn State in 1965.

7 artists at Zoller

"7 from the 70's," a photography show, is on display at Zoller Art Gallery at the University.

The exhibition will run through Wednesday, Nov. 24. Zoller is open weekdays from 9 a.m. to 5 p.m., and weekends from 1 p.m. to 5 p.m. Admission is free.

The current exhibitions consists of the works of seven artists: Bruce Horowitz, Mary Kay Simqu, Judy Taylor, Jennifer Anne Tucker, Bruce West, Richard Stoner and James Baker.

Their photographs cover a variety of humanistic and natural settings.

New Museum show

"A Decade of Collecting: A Survey of the Museum's Collection" will be on display through Dec. 22 at the Museum of Art.

The exhibit brings together some of the finest objects in the museum's collection, highlighting the past 10 years' efforts since the museum doors opened in the fall of 1972.

The Museum of Art has exhibited such works as "The England of William Penn, 1644-1718," "Danish Ceramic Design," "All That is Glorious Around Us: Paintings from the Hudson River School; Portraits U.S.A.," "Carlo Maratti and His Contemporaries," and "Three Swiss Painters."

The event is sponsored by the Friends of the Museum, and is free and open to the public. The Museum of Art is open every day except Monday from 11 a.m. to 4:30 p.m.

Kern Artifact Sale

Kern Commons ninth annual Holiday Artifact Sale will begin at 9 a.m. Tuesday, Nov. 23, in the Kern Graduate Building. All sales will be 9 a.m. to 4:30 p.m. Monday through Friday. As in the past the Holiday Artifact Sale is being held in conjunction with Penn State's Annual Intercultural Holiday Festival.

Articles for sale come from countries around the world and will be available until Dec. 15.



The Kern Artifact Sale will include items such as these: carved statues, candlestick and decorative box.

News in Brief

Dr. Arnall Patz, William Holland Wilmer Professor and chairman of the Department of Ophthalmology at The Johns Hopkins University School of Medicine, will present the eighth annual Paul M. Altshouse Memorial Lecture at the Hershey Medical Center at 4 p.m. Friday, Nov. 19, in the Hospital Auditorium.

Dr. Patz, the first recipient of The Seeing Eye Research Professor Award in 1970, will address "Ocular Angiogenesis Studies: Implications in Pediatrics, Oncology and Medicine," (which deals with abnormal vessel formations due to diseases affecting the eye such as diabetes and retinopathy of prematurity.)

Dr. Patz holds or has held prestigious leadership positions in over

15 societies, boards and committees, including chairmanship of a National Institutes of Health group appointed to study Oxygen Therapy for the Premature Infant.

The Paul M. Altshouse Memorial Lecture was established in 1974 to honor Dr. Altshouse, a former Penn State University provost who died in 1972.

The Physical Plant Service Desk has begun accepting requests for Level I maintenance and repair services on all PSU-owned APPLE computers and APPLE accessories. Charges for this service will be handled on Departmental Standing Orders or on specific Interdepartmental Transfers (IDT's). It is anticipated that the

availability of this service will reduce overall costs to the University as well as provide increased convenience to APPLE users.

Two technicians have attended the factory's Level I school, and some \$4,500 worth of spare parts are on hand to support Level I service. While it is probable that computer maintenance experience will be transferable to other computer product lines, there are no current plans to obtain factory training or to stock spare parts for equipment other than APPLE.

University libraries will remain open during regular hours until Friday, Nov. 19, the final day of exams.
Beginning Monday, Nov. 22, and continuing throughout the term break, the libraries will be open weekdays from 7:45 a.m. to 5 p.m.

University libraries will not be open

the weekends of Nov. 20 or 27 during the break. They also will be closed on Thanksgiving Day. Regular hours will resume on the first day of Winter Term, Thursday, Dec. 2.

The American Association of University Women will hold a Mini Used Book Sale from 9 a.m. to 6 p.m. Saturday, Nov. 20, at the workshop on Aaron Drive, Patton township. Thousands of books as well as sheet music and records will be offered for sale.

The one-way football traffic pattern in State College will go into effect one hour earlier than usual on Friday, Nov. 26, when Penn State hosts the University of Pittsburgh.

The pattern will be the same as usual but will go into effect at 9 a.m. instead of 10 a.m., since kick-off time for the game is set for 12:10 p.m. All football parking lots will open at 8 a.m.

Staff Development: Employees complete courses

One hundred and twenty-eight clerical employees have completed the Clerical Enrichment Program. Participating were: Sept. 16 through Oct. 28, 1981:

Carol Amman, Linda Barlett, John Barnett, Nancy Carra, Corinne Coplan, Sandra Crust, Gloria Foreman, Brenda Ghermy, Fred Haldeman, Cynthia Horn, Martha Hummel, Helen Jacob, Alice Jones, Ellen Keith, Melanie Kniesly, Michele Kohler, Joan Lassman, Deborah Lauder, Sherry Lightner, Becky Maurer, Lori McAulay, Louise Meier, Priscilla Miller, Dona Oberheim, Sue Petro, Norah Philbin, Linda Poorman, Melanie Romig, Linda Stapley, Dorothy Stauffer, Brenna Swires, Trudy Thompson, Patricia Waite, Penny Walker, and Ruth Wright.

Jan. 12 through Feb. 17, 1982:

Sara Alters, Linda Coble, LaDawn Dutrow, Veronica Eddley, Tammy Evans, Kathryn Getz, Karen Haldeman, Trudy Holsopple, Glenda Houser, Sabrina James, Mary Jellison, Jennifer Kellerman, Tamara Korman, Carol McGahan, Mary Montler, Karen Mothersbaugh, Linda

Nau, Lynne Oberson, Stephanie Podgorski, Debra Shelow, Deborah Weaver, Connie Whitehill, and Patricia Williams.

March 23 through April 27, 1982:

Karen Baylees, Norma Chestnut, Melinda Beth Comfort, Kharmen Dahmued-Chamf, Madeline Franklin, Sandra Gonsallus, Beth Hayes, Judi Hicks, Rosemary Kasubik, Jeanne Kelley, Linda Klinger, De Kunst, Brenda Martin, Doug McAnallen, Melinda Meyers, Marilyn Mitingler, Linda Porta, Judy Pressler, Kathy Rice, Jill Roadman, Sandra Rogus, Margaret Smith, Julie Trimpey, Delores Virginia, Virginia Williams, Neda Wilson, Kathy Zettle, Lynnea Zimmerman, and Eleanor Zindler.

June 1, 1982 through June 17, 1982:

Jeanne Beaton, Rita Brown, Mary Jane Burke, Donna Jean Campbell, Susan Craig, Valerie Cuppert, Susan Donely, Susan Doran, Regina Dubs, Pat Ellenberger, Barb Eudy, Brenda Fornwall, Donna Fuller, Patricia Harder, Beth Haupt, Donna Jo Howard, Pam Kifer, Molly

Klein, Dee Ann Longenecker, Hazel Madson, Antoinette McClusick, Lenore Petty, Florence Reese, Shirley Reichard, Frank Scheirer, Patricia Shenck, Kathy Shomo, Joann Singer, Evelyn Smith, Marian R. Smith, Miriam Smith, Susan Sweeney, Anne Szczczyk, Shirley Taylor, Sherry VanGorder, Nancy Walk, Marie Wance, Holly Warrington, Be Weidner, Elizabeth Worman, and Marcy Zimmerman.

Thirty-five employees of the University are graduates of the Oral Communications/Talking With People Course. Completing the course this year were:

Jan. 11 through March 3:

Clarence Bachmann, J. Allen Canale, Debbie Deao, Susan DePonte, Fred Hall, Judith Hand, Oscar Jones, Geraldine Lumpkin, Carol Mancey, Rose Miller, Tom Mitchell, Donna Nicely, Connie Putnam, and Nancy Watson.

March 8 through April 28:

Bob Bloom, Terry Brungart, Tony

Ciccarelli, Gloria Decker, Sue Decker, Connie Fisher, Hugh Fry, Linda Greig, Harold Hackman, Todd Johnson, Shirley Leitch, Judy Leonard, Bob Long, Puring MacDonald, Margie Melton, Susan Petro, Shawn Ruffner, Nancy Taylor, Deb Stahl, Beth Trimble, and Don Weaver.

Retirement

Mary K. Gross, postal clerk in Housing and Food Services, has retired after 29 years of service.

Mrs. Gross, of 261 N. Spring St., Bellefonte, came to the University in 1953 in the Department of Maintenance and Operations.

In 1957, Mrs. Gross moved to Housing and Food Services and was employed as a maid before being reassigned to the clerical staff in 1960.

Mrs. Gross was a postal clerk in the East Halls area twice, and also in West Halls and Centre Halls. She spent the majority of her employment in the South Halls area.

Promotions

Faculty

Stuart J. Sigman to assistant professor of speech communications in Liberal Arts.

Staff Exempt

Audrey L. Cox to physical therapist II at Hershey.

Betty Ann Mark to administrative aide in Earth and Mineral Sciences.

N. Roy Parkinson to senior data base programmer in Management Services.

Betsy J. Raham to administrative assistant at Hershey.

Michelle A. Sklar to assistant extension agent in Agriculture.

Albert E. Stoltz to financial officer in Education.

Rick A. Witmer to auditor in Controller's Office.

Patrick D. Wolf to biomedical research engineer at Hershey.

Staff Non-Exempt

James A. Cox to senior psychiatric assistant at Hershey.

Maryalycie Dreesinski to research technician at Hershey.

Ruth E. Engle to senior psychiatric assistant at Hershey.

Allen E. Gunkle to computer operator at Hershey.

Judith Ann Hand to administrative aide in Science.

Elaine Hastings to auditing assistant in Controller's Office.

Kim E. Leitzel to senior research technician at Hershey.

Karol P. Stringfellow to licensed practical nurse/meds at Hershey.

Susan B. Witherite to master terminal operator in Management Services.

Clerical

Linda Barlett to secretary B in Earth and Mineral Sciences.

Linda V. Bronson to clerk, stock control A in Business Services.

Marcelline Colliott to clerk, typist A in Health, Physical Education and Recreation.

Linda L. Emel to data preparation operator B in Management Services.

Mimi C. Ridenour to data preparation operator B in Management Services.

Walter B. Wells to senior clerk in Libraries.

Technical Services

Jeffrey A. Conklin to residence hall maintenance worker in Housing and Food Services.

Evelyn E. Dabiero to residence hall utility worker in Housing and Food Services.

John J. Goff to utility worker at Hershey. Bonnie L. Houtz to sanitation maintenance worker in Housing and Food Services.

David R. Hunt to maintenance worker (general) B at Beaver.

Mary E. Liberatori to food preparer B in Housing and Food Services.

Layne Merritt to maintenance worker utility in Physical Plant.

Jean L. Spears to environmental health worker/group leader at Hershey.

Edward Taylor to lead painter in Physical Plant.

Gerald Wagner to building maintenance worker in Student Affairs.

Kenneth E. Wilson to senior instrument processing aide at Hershey.

Carl P. Winters to maintenance worker, utility in Physical Plant.

Penn Staters

Dr. Henry S. Albinski, professor of political science and director of the Australian Studies Center, presented a paper at a conference on "The Indian Ocean: Perspectives on a Strategic Arena" at Dalhousie University, Halifax, Nova Scotia. It was entitled "Australia, New Zealand and the Security of the Indian Ocean Region: Perspectives and Contributions from Outlying American Alliance Partners."

Dr. Albinski, who is vice president of the Middle Atlantic Conference for Canadian Studies, also participated in a conference on "War and Violence in North America," co-sponsored by Canadian and U.S. societies at the University of Toronto.

Dr. H.L. Barnes, professor of geochemistry and director of the Ore Deposits Research Section in the College of Earth and Mineral Sciences, has been elected vice president and president-elect of the Geochemical Society.

Dr. Christopher J. Bise, assistant professor of mining engineering, has received an award as an outstanding young mining engineering professor from "Careers in Coal," an organization made up of people involved in management in the coal industry or in work directly related to the industry.

Dr. Herman Cohen, professor of speech communication, has been appointed to serve on the Executive Council of the Eastern Communication Association.

Dr. Turgay Ertekin, assistant professor of petroleum and natural gas engineering, is co-author of a book, *Gas Well Testing: Theory, Practice and Regulations*, published by the International Human Resource Development Corporation (IHRDC), Boston, Mass. The other author is Dr. D.A.T. Donohue, president of IHRDC, who received his Ph.D. in petroleum and natural gas engineering at Penn State in 1963.

Ray T. Fortunato, assistant vice president for personnel administration, co-author with Geneva Waddell, personnel specialist at Montgomery College, of the book, *Personnel Administration in Higher Education*, has received the Achievement Award for Publication of the College and University Personnel Association.

Dr. Peter Given, professor of fuel science, presented a paper on "Some Mechanistic Aspects of Liquefaction Behavior on Coal Characteristics" at a U.S.-Australian workshop on the science of coal liquefaction in Melbourne, Australia.

While in Australia, he gave invited lectures to the faculty of the Chemistry Department of the University of Melbourne, and to the Geochemistry Division of the Commonwealth Scientific and Industrial Research Organization.

Dr. Thomas A. Hale, associate professor of French and comparative literature, presented an invited paper at the International Colloquium on

African Folklore in Budapest, Hungary. It was entitled, "Kings, Scribes and Bards: Some Signs of Survival of the Oral Tradition Among the Songhay-Zarma Peoples of Western Niger."

While in Budapest, Dr. Hale presented a symposium, "Fieldwork Experiences with Songhay-Zarma Griots," sponsored by the Department of Folklore and the African Research Program at Lorand Eotvos University.

Dr. Peirce F. Lewis, professor of geography, has received the Distinguished Teaching Achievement Award of the National Council for Geographic Education. He was one of nine educators honored by the council, which is made up of geography teachers at the elementary, secondary and college levels from all parts of the United States and Canada.

Dr. G.P. Patil, professor of mathematical statistics, gave an invited keynote address at the Symposium on Statistics in Environmental Sciences sponsored by the American Society for Testing and Materials.

Russell Rose, instructor of physical education and women's volleyball coach, has been appointed representative to the National Collegiate Athletic Association on the U.S. Volleyball Association Rules Committee.

Dr. Michael J. Streibel, assistant professor of education, has been appointed to the Pennsylvania Department of Education's Action

Group for Technology and Teacher Education, which will help to formulate guidelines on how to incorporate various information technologies into teacher education.

Dr. Daniel Walden, professor of American Studies, presented a series of invited talks in Australia. At the University of Queensland, his topic was "Saul Bellow: Technology and the Urban Novel." At the University of Sydney, he gave a seminar on "Multiculturalism and Cultural Pluralism: The Australian and the American Experiences." In Perth, at Murdoch University and the University of Western Australia, he spoke on "American Studies, an Interdisciplinary Discipline," and "American Literature: Urban Novelists from Dreiser to Bellow."

Dr. Stanley Weintraub, research professor of English and director of the Institute for the Arts and Humanistic Studies, has been honored by his alma mater, West Chester State College, with the dedication of the Stanley Weintraub Room in the Francis Harvey Creen Library. It will be a literary research center beginning with some 700 volumes, including Dr. Weintraub's books and others relating to his work.

Dr. Weintraub, West Chester class of 1949, is the college's "most distinguished alumnus in the literary field." He is author of more than 200 articles and reviews and by the end of the year will have his 35th book published.

Biomedical research support grants are awarded

Fifteen Biomedical Research Support Grant awards, ranging from \$3,000 to \$19,000, have been made involving twenty-three faculty members.

"These awards are made to faculty members from all campuses with research interests in the life and health-related sciences (except for the Hershey Medical Center which is excluded by program guidelines)," Dr. Richard C. Cunningham, vice president for research and graduate studies and administrator of the program, said.

A total of 54 proposals were received and were reviewed by a faculty committee. Faculty members awarded grants and the proposal titles are:

Nathan N. Aronson, Jr., associate professor of biochemistry, "Metabolism of a Hepatic Protein that Binds Galactose

Residues on Glycoproteins;" Terry D. Etherton, assistant professor of animal nutrition, "Endocrine Regulation of Insulin Binding;" Gary J. Fossire, assistant professor of nutrition, Thomas F. Massaro, assistant professor of nutrition, Penny M. Kris-Etherton, assistant professor of nutrition, Michael H. Green, assistant professor of nutrition science, and John E. Smith, associate professor of nutrition laboratory, laboratory development grant; Edwin V. Gaffney, associate professor of microbiology, "Macrophages as a Source of Tumor Cell Inhibitors."

Roger P. Gaumond, assistant professor of bioengineering, "Brainstem Acoustic Evoked Responses: Localization in Humans Using Current-Dipole Source Models;" Reinhard Graetzer, associate professor of physics, "An Assay for DNA Repair Following DNA Damage by

Chemical Mutagens;" David F. Hultsch, professor of human development and Peter Martin from the Department of Individual and Family Studies, Human Development, "Coping with Myocardial Infarction: A Cross-Cultural Comparison;" Herschel W. Leibowitz, Evan Pugh professor of psychology and Jane E. Raymond, adjunct associate professor of psychology, "The Role of Stimulus Parameters and Individual Differences in Gaze Stability."

Andrea M. Mastro, assistant professor of microbiology and cell biology, "Development of a Procedure to Visualize Protein Kinases in Mammalian Cells;" Charles R. Matthews, associate professor of chemistry, "Site-Specific Mutagenesis in Dihydrofolate Reductase;" Allen T. Phillips, professor of biochemistry and

Mark R. Pishak, research associate, "3-Nitro-Propionic Acid: An Experimental Tool for Study of the Biochemical Basis Underlying Huntington's Chorea;" Ronald D. Porter, assistant professor of biochemistry, "The Role of Conjugational Fertility in Bacterial Drug Resistance;" Richard W. Scholz, professor of veterinary science and W.C. Hymer, professor of biochemistry, "Experimental Selenium Toxicosis in Swine: A Model System for the Study of Motor Neuron Diseases;" John M. Tarbell, associate professor of chemical engineering, "The Relationship between Hemodynamics and Arterial Wall Mass Transfer and Their Role in Arterial Disease;" Chen-Pei David Tu, assistant professor of biochemistry and molecular biology, "Gene Organization for the Human Glutathione S-Transferases."

Ceramic scientist to give Nelson W. Taylor lecture

Dr. W. David Kingery, internationally known ceramic scientist and professor of ceramics at Massachusetts Institute of Technology, will give two talks as the 1982 Nelson W. Taylor Lecturer in Materials Science.



W. David Kingery

In a talk of general interest, he will discuss "The History and Prehistory of Ceramics Revealed by Artifact Studies," at 7:30 p.m. Wednesday, Dec. 8, in Room 112 Kern Bldg. He will give a technical talk on "The Chemistry of Grain Boundaries and Its Influence on Properties of Ceramics" at 4 p.m. Thursday, Dec. 9, in Room 26 Mineral Sciences Bldg.

Dr. Kingery will be honored at an informal reception in the Earth and Mineral Sciences Art Gallery in Steidle Building at 3 p.m. Thursday, Dec. 9.

The Taylor Lectures, sponsored by the Department of Materials Science and Engineering, honor the memory of Dr. Nelson W. Taylor who served as head of the then Department of Ceramics at Penn State from 1933 to 1943.

Dr. Kingery's work has had a major influence on ceramic education and ceramic science throughout the world. At

MIT, where he has been a faculty member since 1951, he established the first program of graduate education in physical ceramics, and his text, *Introduction to Ceramics*, has had a strong influence on the development of ceramic curricula throughout the world.

As a research scientist, he has made contributions in the fields of diffusion, thermal stresses, thermal conductivity, sintering, metallurgical refractories, and other areas in ceramics; to knowledge of ice and snow phenomena; and in archaeology through application of techniques such as differential thermal analysis and scanning and electron microscopy to the study of artifacts. He edited the book, *Ceramic Fabrication Processes*, described as one of the first efforts to bring together underlying factors in ceramic technology in an organized way.

He is a member of the National Academy of Engineering, has received a number of prestigious awards from the American Ceramic Society, and has been invited lecturer at universities and institutes in Japan, China, and Israel.

25-year award



Rebecca R. Strouse, building services coordinator for the College of Human Development, has completed 25 years of service at the University.

Staff Development

Thirty-six clerical employees have completed an eight-week Writing Skills for Secretaries/Clericals program. Employees completing the course are:

March 25 through May 13, 1982: Bobbi Amacher, John Barnett, Delores Breen, Anna Britten, Nancy Buller, Bonnie Cain, Connie Coplan, Connie Gearhart, Bonnie Henninger, Janet Herrold, Shelby Hoy, Charlotte Kerr, Thelma Lehr, Lori McAlay, Irene Meeker, Helen Packer,

Mary Alice Otterbein, Laura Sewell, Betsy Smeltzer, Josephine Smith, Mary Tier, Kathy Tressler, Jeanette Willower, Tammy Yarnell, and Helen Bokach.

June 1 through June 24, 1982: Pat Bickle, Sherry Casamento, Catherine Fry, Libbie Lass, Alice Matern, Shirley Meck, Diane Mullen, Barbara Ruff, Barbara Spindler, Chris Wiegand, and Lynnea Zimmerman.

A number of employees have completed

the Supervisory Management II Course. Completing the course this year were:

Jan. 12 through March 2: Marie Clink, Jutta Hoover, Ted Kopp, John Meredith, Phillip Polish, R. Thomas Rodkey, Gillian Roland, Dean Rossman, Mike Yarnell, and Al Valeski.

March 25 through May 13: Phil Bryan, Eugene Danko, Glenn Johnstonbaugh, Guy Mussey, Frances Rishell, Pete Special, Sharon Symonovich, Florence Wike, and Frank Zucco.

The University's EXCEL Program, a training and development program for senior, career-oriented personnel, is designed to enhance and improve the various relevant skills essential in the proper and effective performance of their jobs.

Completing the course work during the past year were: Judy Byron, Barb Hendershot, Harriet Hillard, Carolyn Kresen, Jane McCoy, Helen Sauers, Rosella Smith, Debbie Snyder, Patty Snyder, Karen Sweeley, Linda Whitehill, Rochelle Winn and Judy Zanot.

Faculty/Staff Alerts

Faculty and staff members are reminded that students interested in being admitted to the University for Summer Term 1983 or Fall Semester 1983 are strongly encouraged to have their applications in to the Admissions Office at University Park by Nov. 30.

Applications received by Nov. 30 will be given first priority for choice of program and location. Most of the spaces at University Park, Altoona, Hazleton and Ogoritz will be filled by students for whom completed applications have been received by that date.

In addition, the Colleges of Engineering, Business Administration and Science are likely to be filled at almost all campuses by students who have applied before the Nov. 30 first review deadline. All spaces in architecture, nursing and the six year pre-med medical program will be filled from the Nov. 30 pool of applicants.

It is important that students get their applications to their guidance counselors in plenty of time to have the counselors complete and forward the application to Undergraduate Admissions, 201 Shields,

Box 3000, University Park, PA 16802.

Students who have applied by Nov. 30 will receive notification as to their admission status by the end of January. (Please be aware that calls to the Admissions Office requesting status prior to that time will slow down the processing of the application and may possibly hinder the priority review of that application).

Applications received after the Nov. 30 first consideration date will be considered if any space remains in the program and at the campus requested. If no space remains, applicants will be notified of available options as soon as possible. Applications are available in the Admissions Offices at all campus locations.

Winter parking regulations prohibiting overnight parking on the University Park Campus in most parking areas will begin on Wednesday, Dec. 1, and continue through March 15. Signs stating "No Parking 2:30 a.m. to 6 a.m." will be posted at the entrance of those parking

lots affected. The no overnight parking regulation will be in effect whether or not there is snow on the ground.

Overnight parking will be permitted in parking areas not posted for snow removal but vehicles must be moved by 7 a.m. if the area is not an "open" lot.

A record number of faculty and staff have taken advantage of the Payroll Deduction Program to selectively support their favorite University program, college or campus.

The Office of Gifts and Endowments reports a 60-percent increase in participation and a 70-percent increase (\$26,782) in dollars over last year at this time. Current giving through payroll deduction over the next three years, represents a total commitment of over \$100,000.

If you have not yet made a payroll deduction commitment, with the end of the calendar year approaching, you may wish to consider the tax advantages of a gift at this time. There are many employees who could benefit by this convenient method of gift giving to Penn State.

Faculty and staff members are

encouraged to choose the payroll deduction option most convenient for them and to make a pledge. A small deduction on a monthly basis adds up to a significant sum over the year.

If you do not have a Payroll Deduction Form, one may be obtained from the Office of Gifts and Endowments, 23 Willard Bldg. or by calling 865-6588. Confidentiality concerning the amount and nature of your support is assured if you so desire.

Recent changes in U.S. Postal Service Regulations require that the address of the Milton S. Hershey Medical Center be changed to a post office box number. The new postal address is:

The Milton S. Hershey Medical Center
The Pennsylvania State University
P.O. Box #859

Hershey, Pennsylvania 17033
The street address of "500 University Drive" should not be used unless a package or equipment is being shipped by some form of common carrier. In these cases a street address is required to make delivery. A temporary postal forwarding order is in effect through August, 1983.

Proehl and Harding add maps to Pattee collection

Karl Proehl and Amelia Harding place maps before me.

One shows brown continents stippled with purple ovals: fallout after a nuclear exchange. Another map depicts the city of Dover, England, with bridges, tunnels, and electric works overprinted in black: made in Germany in 1941. An aeromagnetic map of Hawaii. Turkish city plans. A navigational chart of Antarctica. A map of South America, with Chinese characters.

Harding earned some of these maps — and others, worth a total of \$25,000 — in exchange for six weeks' work in the U.S. Library of Congress. There, she worked in atlas cataloging; at Penn State, she is library assistant in the Pattee Library map room.

Proehl heads the map section at Pattee. "Penn State has been earning maps at the Library of Congress ever since the Map Processing Project started 31 years ago," he says. "The maps are duplicates, shipped to the LC by armed forces' mapping agencies, governmental branches, and foreign governments. Each year, the Library gives away over 50,000 maps to summer workers from college, university, and public libraries."

Harding smiles. "It's us or the paper shredder. When I joined the program, I took along indexes from the library here. I was very selective in what I picked: it wouldn't have made sense to duplicate our holdings. I came back with maps that

we didn't know existed, and maps we couldn't have gotten any other way."

Army briefing maps of Vietnam; topographic maps of South West Africa (Proehl); "We had tried without success to order these through diplomatic channels"; maps of German cities with carefully rendered plazas, cathedrals, hotels, and museums (Harding); "The art history department uses this series quite a bit"; groundwater in Ohio counties; vegetation of Ruanda; Finnish city plans, so detailed that individual house numbers show up. Altogether, Harding picked up 3,200 for the collection.

Since the Library of Congress's Map Processing Project began in 1951, over 100 institutions have participated. This year marks Penn State's 21st visit, more than any other institution. Proehl worked on the project in 1975 and 1976, while map librarian with the State University of New York.

"Maps put information in perspective," says Harding, who has been a Penn State library assistant for seven years. "One group, the Cartactual Series, charts changes all over the world: new bridges in Czechoslovakia, village growth in Ghana, an extension of the Atlanta subway. Cartactual comes from Budapest, Hungary. "It's general knowledge throughout the field that maps from communist countries are inaccurate, and purposely so. Those Czech bridges

(Continued on page 2)



Amelia Harding in Pattee map room

Photo: Scott Johnson

Asst. VP sought for bus. services

Nominations and applications are being sought for the position of assistant vice president for business services.

The successful candidate will report to the vice president for business and be responsible for overall management and administration of the Departments of Fleet

and Airport Services, Printing and Communications and the University Bookstore.

Progressively responsible experience of at least ten years duration with demonstrated professional, administrative and managerial competencies and a bachelor's degree (or equivalent) are required. Graduate level degree preferred. The position also requires an individual with strong written and oral

communication skills, an understanding of budgets, and an understanding of the application of accounting principles.

Nominations and applications should be sent by Nov. 30, to 117 Willard Bldg., Department I, University Park, PA.

Funding Sources

(381-1) Some upcoming NSF Target Dates are: Dec. 1 — Alternative Biological Resources (Dr.

Huang (202-357-9782); Metabolic Biology (Dr. Robertson 357-7987); Jan. 1 — Systematic Anthropological Collections (Mr. Greene 357-7804); Earth Sciences (Dr. Hays 357-7998); Analysis of Science Resources (Personnel — Mr. Coburn 634-4655), (Funding — Mr. Friedman 634-4625), (Impacts and Outputs — Mr. Bond 634-4682); Jan. 15 Ecology (Dr. Barrett 357-9734); Systematic Biology (Dr. LaBerge 357-9588); and Population Biology and Physiological Ecology (Dr. Brooks 357-9728). For information, call 665-1375.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., November 29, 1982. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

● **Programmer/Analyst, College of Agriculture, University Park** — Responsible to the state leader - Extension Data Systems, for design and implementation of computerized information support for statewide Extension Services in areas of office management and educational support. Assist in systems design; prepare systems flow charts; design record layouts. Consult with county Extension Office personnel in regard to computer operations and procedures. Develop new computer programs and update, maintain, and adapt existing programs for the educational and administrative functions. Assist in training and instruction. Bachelor's degree (or equivalent) and from one to two years of effective experience required. Degree in agriculture, proficiency in basic and familiarity with microcomputers, hardware and software are preferred. THIS IS A FIXED TERM APPOINTMENT FUNDED THROUGH JUNE 30, 1983.

● **Supervisor, Central Milk Testing Laboratory, College of Agriculture, University Park** — Responsible to manager, Central Milk Testing Laboratory (CMTL), for various laboratory operations. Direct work of employees. Schedule testing of milk samples and set priorities. Inspect equipment and

recommend needed repair. Perform tests on weighing and sampling devices. Monitor operation of IBM Series I Computer, CRT's and microprocessors. Ascertain condition of milk samples received and report unsatisfactory conditions. Compile and maintain inventory of repair parts and supplies. Prepare milk samples for check tests and machine calibration. Demonstrate laboratory operations to visitors, dairymen and county agents. Associate degree or equivalent plus one to two years of effective experience in operating milk testing equipment. Experience with computer hardware desirable.

● **Manager of Animal Facilities, College of Agriculture, University Park** — Responsible to the department head, Dairy and Animal Science, for the management and operation of animal facilities, including budgets and personnel. Maintain close liaison between faculty and support staff so that research, teaching efforts, and needs are coordinated effectively. Conduct planning sessions with faculty concerning all matters regarding land, animal, and facility needs. Responsible for overall coordination of work schedules for all employees. Plan and administer budget for Dairy and Animal Science farms and facilities and recommend capital expenditures. Plan long-range equipment replacement of lease arrangements. Coordinate efforts to determine animal inventory limits in relation to research/instructional needs and available resources. Prepare recommendations for improved and/or innovative procedures. Bachelor's degree (or equivalent) in animal or dairy science or related field plus four to six years of effective experience required. Experience should encompass animal facility management, supervision of personnel, fiscal responsibilities, record keeping, Master's degree and familiarity with research methods preferred.

● **Chief Pharmacist, University Health Services, University Park** — Responsible to the director of the University Health Services for the delivery of comprehensive pharmacy services and to the assistant director for administration for the fiscal operation of the pharmacy. Bachelor's degree in pharmacy plus

1,500 hour internship. Satisfactory completion of State Pharmacy Board Exam and two to four years of effective experience required.

● **Associate Director of Undergraduate Admissions, Office of Undergraduate Admissions, University Park** — Responsible to the director of undergraduate admissions for the coordination of and planning and management of the Out-of-State Region, including conceiving, planning, and organizing operational aspects of admission procedures and activities which relate to the alumni and the alumni admissions program. Formulate and implement policies and procedures necessary to make decisions concerning admission of undergraduate students to the University Park Campus and assigned campuses. Master's degree (or equivalent) plus two to three years of effective experience, or bachelor's degree (or equivalent) plus four to five years of effective experience in the administration of higher education required.

● **Auditor, Controller's Office, University Park** — Responsible to the audit manager for performing audits to appraise: extent of

compliance with University policies and procedures, adequacy and reliability of records and management information reports, soundness and adequacy of accounting, financial, and other operating controls, and safeguarding of assets within any of the diverse operational, financial and administrative functions or organizations of the University as directed by and under the general supervision of the audit manager. Bachelor's degree (or equivalent) in accounting or related field plus minimum of two years effective experience.

● **College Health Nurse, Shenango Valley Campus** — Responsible administratively to the dean of student affairs and professionally to the director of nursing of the University Health Services and for providing nursing care to students and planning and coordinating special programs and services. Act as liaison with local health care agencies, and serve as a resource for programs in health education. Graduate of an accredited nursing program or its equivalent and current licensure in Pennsylvania as a registered nurse plus 6 months minimum effective experience required.

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Penn State Intercom

Computation Center offers new services

The Computation Center has announced several changes in services offered for student use (I-Accounts) for the Winter Term.

Dr. Donald T. Laird, Computation Center director, said additional capacity will be available under both the VM/CMS and the INTERACT — STUINTER systems.

The peak capacity of STUINTER was 130 concurrent users in Spring Term 1982, he noted, and was increased to 220 for the Fall Term. A further increase to a peak capacity of approximately 400 concurrent users will be in place for Winter Term.

Peak capacity of VM/CMS interactive computing was increased in the Fall Term with the installation of an upgrade to the 4341 Processor and will be increased further by converting another processor to interactive computing.

Other services noted by Dr. Laird include:

- New application forms (revised

November, 1982) permit instructors to request that students be authorized to use one of the interactive services without writing a separate memo. When used to request establishment of an I-Account, the form provides for all of the necessary information and may be forwarded directly to the Computation Center with the instructor's signature.

— Key punches are available in Room 231 Computer Building and in Room 116 Boucke Bldg. CRT terminals are available for student use in the Student Laboratories in 317 Hammond Bldg. and 103 Boucke Bldg., in the Computer Building, and, except for the period 8 a.m. to 5:50 p.m. weekdays, in Room 6 Willard Bldg.

— Instructors may schedule dedicated use of one of the terminal rooms at University Park for initial sessions with their students early in the term by contacting Charles G. Wissinger, manager of operations, at 863-0422. The Center

staff also can provide advice or training for instructors and laboratory assistants assigned by departments to conduct these sessions.

"We believe," Dr. Laird said, "that these changes, along with the increased capacity, will allow us to provide better service for students and faculty."

Computer seminar scheduled

The Computation Center will present an introductory STUINTER seminar on Wednesday, Dec. 8. Purpose of the seminar is to teach a few simple and effective methods of using computer terminals to students who have not used this system previously.

The seminar will be held at 6 and

8:30 p.m. in Schwab Auditorium. In order to balance the attendance, instructors from departments other than Computer Science should call Carolyn Kresen at 863-0422 to learn which sessions their students should attend.

New solicitation policy is adopted by University

The University has adopted a new policy to regulate the solicitation of money and sale of products or services in University residence halls.

"Our intention is to protect the privacy of students," Raymond O. Murphy, vice president for student affairs, said. "The Association of Residence Hall Students was consulted in this matter, and supports the policy that we have adopted. "This policy is somewhat stricter than the one we have followed in the past. In our conversations with students, we have repeatedly been assured that they appreciate the University's attempts to protect them in this way."

Under the old policy, representatives of commercial enterprises were permitted to demonstrate their products to groups in common areas of University residence halls when they were invited to do so by students who lived there and as long as they did not solicit or sell products or services. Under the new policy, such group demonstrations will be prohibited. Specifically, the new policy provides that:

- Except for registered student organizations and residence hall house governments, no person (including a student), firm, business entity, charitable organization, religious organization or other group may sell or demonstrate products or services to groups anywhere in a residence hall.

- A student assigned to a room in a residence hall may invite individuals or representatives of a business, charitable or religious organization into his or her own room to solicit money or sell products or services to that student alone. Group demonstrations that would involve other students, however, are prohibited.

- Registered student organizations and residence hall house governments may solicit money or sell or demonstrate products or services in a residence hall as long as they comply with current regulations governing their activities in that respect.

- Solicitations or sales by mail, telephone or other such means of communication media are not prohibited by the new policy.



Photo: Scott Johnson

Pointing to No. 1 in the Blue Band at the Penn State-Pitt football game.

Search committee seeks Summer Session director

The Search Committee for a director of the new Summer Session is prepared to receive and review applications or nominations for the position.

Dr. Carol A. Cartwright, committee chairman, urges interested persons to apply or to nominate an individual as soon as possible. Applications or nominations must be received no later than Wednesday, Dec. 22.

The Summer Session in the new semester calendar will be different from previous summer terms. The three basic changes in the eight-week session will be a broader range of program offerings and promotion of those programs; a budget structure designed to enhance the prospects for cost-effective instruction, and an individual as director with basic responsibility for its management.

The new Summer Session will take effect in the summer of 1984. An Advisory-Implementation Committee, chaired by Dr. James B. Bartoo, chairman of the Calendar Conversion Council, has

Summer Session: The three basic changes in the eight-week session will be a broader range of program offerings; a budget structure designed to enhance the prospects for cost-effective instruction, and an individual as director.

begun implementation planning.

According to Dr. Bartoo, the summers of 1984, 1985 and 1986 will constitute the initial phase of the Summer Session. After the summer of 1986, he said, a rigorous evaluation of the effectiveness of the session will be conducted to determine directions appropriate for 1987 and later years.

Following is a description of the responsibilities of the Summer Session director and of the qualifications for the position:

The Summer Session director will be the academic administrator responsible for the overall direction and success of the Summer Session. The director will report

to the provost and will work closely with academic deans and department heads in coordinating their efforts to deliver an academically sound and cost-effective summer program.

The director will identify program offerings to capitalize on the strengths of Penn State and will work with the faculty to develop innovative and attractive summer programs. The director will coordinate and implement marketing and promotional activities to reach a varied clientele. The Summer Session director will become part of a complex environment in which consultation, communication and the ability to reach concurrence will be critically important.

It is essential that the Summer Session director have strong academic background; a solid base of experience in administration in an academic setting, and a broad knowledge of The Pennsylvania State University. The candidate also must present evidence of effective leadership and communication skills.

It would be desirable for the Summer Session director to have an earned doctorate or another appropriate terminal degree. Among the other desired qualifications is experience in budget planning, academic or administrative experience in a successful summer session and/or experience in marketing and promotional activities.

Applications for the position or nominations of candidates for the position should be sent to: Search Committee, Summer Session Director, 304 Old Main, University Park, Pennsylvania 16802. Applications and nominations should be sent as soon as possible and must be received no later than Dec. 22.

Holiday shopping guide: browse through

The Museum of Art

Looking for the perfect way to say "Happy Holidays" to those special people on your Christmas gift list? You're sure to find dozens of ideas for the perfect present at the Museum of Art's gift store. As in years past, Aviva Gormel, gift store manager, has again managed to hand select a unique collection of gifts from all over the world. The store, adjoining the Visual Arts Building, is open from 11 a.m. to 4:30 p.m., Tuesdays through Sundays. Closed Mondays. (Dec. 22 will be their last day for Christmas sales.) Some items may be available in limited quantities. For that unforgettable Christmas gift, choose from:

- Arkansas quilted shadow box pictures (\$9 to \$21)
- Royal Copenhagen Porcelain plaques (\$17.50 ea.)
- Chalkware in classic American folk art designs (\$13.50)
- Brass and wooden lacquer jewelry boxes, with scalloped decoration (\$33.50)
- Cotton designed rugs from India (\$28.50)
- Quilted pillows by Kim Haldeman (\$14.50 ea.)
- Hand carved wooden garudas (statues to ward off evil spirits) from Indonesia (\$10.50)
- Replicas of antique weathervanes (\$12 to \$30)
- Mother and baby elephant teapots (\$6.75)
- Jewelry at the gift store is available at affordable prices and in a variety of styles that are sure to please.
- Art Nouveau pewter pendants, pins, key rings and picture frames (\$6 to \$9)
- Assorted sterling silver, doisonne, and semi-precious stone rings (\$4 to \$30)
- Handmade silver, copper and brass earrings from Banner Studios, Mass. (\$7 to \$12.50)
- Ming Dynasty porcelain shard necklaces (\$15 to \$30)

- Little girl's jewelry gift set — combination pin, pendant, pierced earrings and gift box (\$5)
- Afghanistan native necklaces (\$12, \$16)
- Chinese cloisonne lockets (\$12.50)
- Mexican ceramic pendants (\$2, \$2.50)
- For the young and the young-at-heart, a special stocking stuffer assortment is available.

For children:

- Bamboo animal pencil sharpeners from China (\$1)
- Kalidesopes (\$2.25 to \$4.50)
- Wool Bolivian doll purses (\$8)
- Wooden bird whistles from China (\$6)
- Assorted pocket puzzles (\$1.50 to \$2.25)
- Sunprint kits (make nature and art prints using sun, water and sunprint light sensitive paper (\$2.50)
- Handmade birds and animals from India (25¢)

For adults:

- Rice paper wallets from Japan (\$3.35)
- Museum art subject bookmarks from the J. Paul Getty Museum and Olsen Press (\$1, \$1.25)
- "Back in the box" toy (\$10)
- Museum art subject trays (\$2.25)
- Traditional English House boxes (35¢ to \$1)
- Boxed notecards (\$2.50, \$2.75)
- "Balancing Act" magnetic toy (\$6)

Books at the gift store will both delight and surprise the book lover on your gift list with the wide variety of subjects they cover. Areas include art, quilting, needlepoint, photography, antiques and many others. For example:

- *The Unicorn* (\$14.95)
- *Patchwork Pillows* (\$2.75)
- *How to Select and Renovate an Older Home* (\$2.95)
- *Children of the Past in Historical Portraits*, Mass. (\$4)
- *American Primitive Painting* (\$5)

- *Rembrandt Bible Drawings* (\$2)
- *Creative Paper Toys and Crafts* (\$5)
- *Early Illustrations and Views of American Architecture* (\$7.50)

Special holiday needs that capture the spirit of Christmas and help you welcome the new year are also available.

- Papier-mache nativity set from Goa (\$15)
- Nutcrackers (\$23 to \$50)
- Museum art subject:
 - Boxed Christmas cards (25 for \$4 and up)
 - Wrapping paper (85¢ to \$2)
- Metropolitan Museum of Art *Travel Diary* (\$6.95)
- Engagement Calendars:
 - Museum of Modern Art, *Construction* (\$10)
 - National Trust for Historic Preservation, *Main Street* (\$7.95)
 - Metropolitan Museum of Art, *Creatures of Heaven and Earth* (\$6.95)
 - Winterthur Museum and Gardens, *Collectors Engagement Calendar* (\$8.95)
- Metropolitan Museum of Art, *A Kingdom of Flowers* name and address book (\$12.95)
- Ornaments:
 - Wooden unicorns from Sri Lanka (\$4)
 - Set of 22 natural wood ornaments, to be used the way they are or decorated as you please (\$5)
 - Brass stars from India (\$2)
 - Ecuadorian bread dough angels (\$2)
 - Glass reindeer and horses (\$2)
 - Old fashioned holiday ornaments with movable arms and legs (\$4)
 - Terra cotta cherubs from Taiwan (\$2.50)
 - Chinese silk ornaments (reclining horses, birds, owls, and Christmas stockings) (\$2.25 to \$5.75)

The Alard Quartet

The Alard Quartet has reached thousands through their busy concert schedule and lecture-recitals for radio and television in some 40 states, the District of Columbia, Europe, South America, Mexico and the Pacific. The Quartet's repertoire spans 400 years of literature and contains many unusual and seldom heard works. As the quartet-in-residence for the University since 1962, the Alard Quartet presents an annual chamber music series and directs the string program.

Let the sound of the Alard Quartet reach you this holiday season. Their latest album is "Bela Bartok — Quintet for Piano and Strings" which features Sylvia Gluckman, pianist (\$7). Two other recordings, "Music for Flute and Strings by Three Americans — Amy Beach, Katherine Hoover, Arthur Foote" (Diane Gold, flautist) (\$7) and "The Alard Quartet Playing Quartets by Hindemith and Janacek," (\$7) are also available. All albums are on sale at the Museum of Art gift store and the Penn State Bookstore.

Blue Band

"Bandorama III" (1980), a sellout performance at Eisenhower Auditorium, is the Blue Band's musical offering to entertain you during the holidays. Under

In the interest of making Holiday shopping easier, INTERCOM presents its fourth annual listing of gift ideas that are available at University Park.

By Diane M. Lisko



Penn State music

Director Ned C. Deihl, music on this recording features the Symphonic Blue Band, Marching Blue Band and Jazz Blue Band performing a variety of music including half-time show music and Penn State songs. This recording is available for \$6 in Room 217 Chambers Bldg. and can be purchased at all student bookstores.

Glee Club

For your listening pleasure, the Penn State Glee Club presents a collection of Pennsylvania music that reflects the Commonwealth's rich musical heritage in their album "The Penn State Glee Club in a Program of Pennsylvania Music: 90th Anniversary Concert." The Glee Club, directed by Bruce Trinkle, performs Pennsylvania's compelling folk songs, spirituals, settings of e.e. cummings poems by Pennsylvania composer, Vincent Persichetti, Bicentennial Wagon Train selections, and closes with Penn State songs, arranged by Lewis Spratlan, director of the Glee Club 1967-1969. This album is on sale in Room 233 Music Bldg. for \$6 (plus \$1 charge for postage and handling if the album is to be mailed). The Glee Club also offers a 45 rpm entitled "Favorite Penn State Songs" which features the "Alma Mater," "Hail to the Lion," "The Blue and White," and "Fight on State." This record is also available in Room 233 Music Bldg. for \$2.50 or \$3 if the record is to be mailed.

Penn State Bookstore

This year the fifth annual Faculty/Staff/Student Appreciation Sale not only gives the University community a chance to take advantage of great Christmas savings, but also provides an opportunity to explore the new Penn State Bookstore, located in the former Terrace Room of the HUB. This spacious facility houses a full line of textbooks, student and office supplies, and Penn State memorabilia and offers the added convenience of being able to shop for all your needs under one roof.

The Bookstore sale runs from Dec. 13 through Dec. 17 with all merchandise reduced 20 percent (excluding textbooks, calculators and other limited items). All Christmas items (wrapping paper, cards, ornaments, decorations, Advent calendars, etc.) will be reduced 30 percent.

Make your holiday selections from these Bookstore gifts:

- Penn State stationery (\$1.75 to \$10)
- A.T. Cross pens with Penn State insignia, made exclusively for the Bookstore, in chrome (\$13.50), black (\$18.50) or gold (\$26)
- Brass Nittany Lion base lamp (\$56.95)
- Brass Nittany Lion only (\$26.95)
- Books on a variety of subjects, such as sports, nutrition, crafts and a special local author section:
 - Winemaking as a Hobby, College of Agriculture, Donald L. Ace, James H. Eakins Jr.
 - Fast and Feud: Food in Medieval Society, Bridget Ann Henisch

- Cooking Around the College, Nancy Spear and Heather Gilbert
- Lion Country: Inside PENN STATE Football, Frank Bilovsky
- Approximately 300 different styles of calendars for the new year.
- Penn State Christmas ornaments (\$3.95, \$4.95) and Penn State Christmas stockings (\$4.95)
- New this year, Penn State etched glassware in many forms with "sun catchers," that can also be used as ornaments (\$11.95) to heavy glass bookends (blue or clear, \$53.95 a pair)
- Zippered PSU carrying case (\$7.95)
- Penn State clothing in a large selection of new styles and colors, in addition to the traditional blue and white:
 - Sain baseball jackets (\$36.95)
 - Pile-lined ski gloves (\$7)
 - Penn State ties (\$7.95)
 - Combination ski jacket and vest (\$41.95)
 - Adult and children rugby sweaters (\$14.95 to \$29.95)
 - "Taillgating" T-shirts (\$6.50)
- Penn State rocking deck chair, with padded headrest (\$56.95)
- Penn State "stocking stuffers": key rings, mirrors, combs, shoe laces, bells, buttons, just to name a few.
- Penn State seal car badge (\$9.95)
- Penn State beer set, pitcher and four frosted mugs (\$18.95)

Creamery

Food has been the heart of any celebration and no other time of the year affords better opportunities for great cooking, baking, and best of all, eating, than the Christmas holiday season. Penn State's Creamery offers it's tasty cheese, ice cream and other dairy products in a variety of gift ideas for all your seasonal culinary needs. Sure to delight any cheese lover is a gift box assortment of Creamery specialties (cheddar cheese, smoked cheddar cheese, honey, cream cheese, and two cheese spreads) for \$14.95. Customers may assemble their own gift selection of Creamery products on a University Creamery cutting board, which may be purchased separately for \$9, or in a white gift box with grass and shipper, which also may be purchased for \$12.5. Ideal as a stocking stuffer or to accompany any gift assortment is a wooden-handled cheese cleaver with the Nittany Lion etched on its stainless steel blade for \$3. For holiday parties, heavenly desserts, or gifts from your kitchen, the Creamery carries cream cheese, cottage cheese, sour cream, milk, cream cheese spreads (pimiento and relish), cheddar and smoked cheddar cheese spreads, and, of course, an array of different types of cheese (swiss, baby swiss, munster, brie, brick, provolone, longhorn, hot pepper). Two special flavors of ice cream, rum raisin and eggnog, will be available in addition to the Creamery's regular flavors. Ice cream can be packed in dry ice for a small charge. Creamery hours are 7:30 a.m.-5:30 p.m., Mondays through Saturdays, and 9:30 a.m.-5:30 p.m. Sundays. Their last day for holiday sales will be Dec. 22.

gifts available at University Park

The Weekly Collegian

The *Weekly Collegian* is the perfect gift for alumni who want to keep informed of important happenings at Penn State. Published by the staff of the *Daily Collegian*, it provides a means of keeping in touch with a constantly changing University.

The *Weekly Collegian* is published 34 times a year. Subscription price is \$12 a year, or \$22 for two years or \$30 for three years. Subscribers outside the United States add \$8 a year.

To subscribe, send a check, payable to Collegian, Inc., to 126 Carnegie Bldg., University Park, PA 16802. Your subscription will begin upon receipt of your order.

Alumni Association

The Alumni Association has traditional favorites for senior gifts for the Penn State fan, alum, or graduating student on your Christmas list.

- Alvastone Nittany Lion replicas (from a mold made and signed by Lion Shrine sculptor, Heinz Warneke) may be purchased for \$20. It also comes on a walnut base for \$35.
- Penn State chairs are available in several styles: a Boston rocker for \$125; an armchair with satin-finish black arms for \$136 and an armchair with cherry-finish arms for \$140. All chairs are satin-finish black with gold trim and University seal, unless otherwise specified.
- Alumni Association memberships are on sale for \$15/year. Regular members receive *The Penn State Magazine*, the *Football Letter* and *College/Campus* newsletters. Associate memberships may also be purchased for non-alums for \$15/year. The associate membership entitles recipients to the same privileges except that they are excluded from voting for alumni trustees and running for office. Lifetime memberships (regular or associate) are on sale for \$150.

All purchases may be made at the Alumni Association office in Room 105 Old Main, 8 a.m. to 12 p.m. and from 1 p.m. to 5 p.m.

Shaver's Creek Environmental Center

Situated in the picturesque Stone Valley Recreational Area, the Shaver's Creek Environmental Center endeavors to develop and enrich experiences in the outdoors through a variety of environmental programs. Their Natural History Gift Shop and Bookstore contains many of the tools and books that your favorite child or adult can use to explore and learn about the outside world. The Gift Shop and Bookstore carries a full line of field guides, such as the Peterson and Golden Guide series, children's books, T-shirts, bird bath heaters, puzzles, games, bookmarks, bird houses, post cards,

stationary, binoculars, plus much more. A Christmas sale is now in progress on selected items through Dec. 23.



*Soft Sculpture Dinosaur Kits
Kits contain printed fabric, polyester
fibrefill batting & sewing instructions*

The Natural History Gift Shop and Bookstore is open daily from 10 a.m. to 5 p.m. Special gift suggestions include:

- Stoneware animal sculptures (cups, mugs and pitchers) by Amy Romaniec
- "Wings on Strings" — educational and decorative life-size paper song birds in full color
- Magnifier boxes — 1" cubes of lucite with removable 4x magnifier tops
- Droll Yankee feeders — designed for smaller birds and constructed of heavy-gauge plastic with die-cut aluminum perches
- Soft sculpture dinosaur kits
- "Sweet and Simple Toys" — wooden animals (pigs, ducks, dragons, penguins, giraffes, hippos, elephants, etc.)
- Silva Polaris compasses — popular beginner model with liquid-filled housing, all plastic case and jeweled bearing
- Why not give a Shaver's Creek Environmental Center membership as a present? Memberships begin upon receipt of application, run for 12 months and are available in many forms such as individual, family, student, over 60, patron, etc. Some benefits include the seasonal newsletter, "Shavings," special programs and workshops for members, reduced fees on other workshops and programs, members' discount in the Gift Shop and Bookstore, and free parking.

Craft Centre

When it comes to Christmas giving, it's the thought that counts, and the Holiday Instructor's Sale has handcrafted presents that show you care. Craft items and artwork by instructors from the Craft Centre who are local artists are on display in the Browning Gallery on the first floor of the Hetzel Union Bldg. Crafts featured in the sale include wheel thrown and handbuilt pottery by Denise Arieu and Roger Feldt, loom weaving by Pam Fenner,

brass decorations by Wes Glebe, quilting by Linda Brainard, bread dough art by Carol Bilinsky, prints by Richard Rutowski, card weaving, twine basketry, Christmas cards, wheat weaving, plus much more. The sale will be held from Dec. 13-15 from 10 a.m. until 4 p.m.

Greenhouses

Norfolk Island pines, Christmas cacti, kalanchoe, cyclamen, and the traditional poinsettias in red, white and pink, are just some of the Christmas plants available from the University Greenhouses to add a festive touch of greenery to your home. For that special person who loves plants, the Greenhouses also offer Reiger begonias, African violets, gloxinia, along with other assorted plants. Prices of plants may vary according to size. The Greenhouses will also make special arrangements upon request (865-2482). Prices will be quoted at the time of request. Sales take place in Headhouse 2, behind Tyson Building, Mondays through Fridays. For your holiday shopping convenience, extended hours, 10 a.m. to 4 p.m., are in effect Dec. 1 through Dec. 22. The Greenhouses will also be open Dec. 11 from 10 a.m. to 4 p.m.

Annual Holiday Artifacts Sale

In conjunction with Penn State's Annual International Holiday Festival, the Kern Graduate Commons Ninth Annual Holiday Artifacts Sale provides yet another opportunity for the Christmas shopper to find unique presents. Gifts available from the four corners of the world include jade from Taiwan, baskets from Indonesia, silver jewelry from Mexico, leather coin purses from India, or carved wooden animals from Kenya, as well as artifacts from Hong Kong, Peru, Columbia, the Philippines, Jordan, Bangladesh and Korea. The sale is now in progress and will run through Dec. 15th.

Your selections of the international artifacts may be made from the showcase exhibit in Kern. All sales will be from 9 a.m. to 4:30 p.m., Monday through Friday, at the Kern Graduate Commons Information Desk.

Poultry Sales

A big Christmas dinner is the high point of any family gathering during the holiday season. And the main attraction of those dining festivities is usually a magnificent golden turkey. Poultry Sales has the perfect one for your holiday feasting. Christmas turkeys, ranging in weight from 8 to 14 pounds, roasters and eggs, are on sale this year. Capons or pheasants will not be available. The sales room is located at the poultry farms (next to the outdoor swimming pool) and is open every Thursday from 10 a.m. to 3 p.m. Poultry Sales last day for Christmas sales will be Dec. 21 from 10 a.m. to 3 p.m.

The Penn State Press

The right book is the right present — if it's the one that sparks a special interest or triggers a whole new one. And the Penn State Press has a varied selection of books that do just that. They provide delightful reading and are most welcome presents. Penn State Press books are available to any faculty or staff member at a 20 percent discount year round. Holiday shoppers are welcome to browse through the assortment of books at the Penn State Press office in Room 215 Wagner Building (865-1327). Press hours are Mondays through Fridays, 8 a.m. to 12 p.m. and from 1 p.m. to 5 p.m. Special arrangements may be made for book orders to be picked up from 12 p.m. to 1 p.m. The Press will mail books anywhere in the United States (\$1 mailing charge extra). Prepaid orders should be sent to Penn State Press, 215 Wagner Bldg., University Park, PA 16802.

The following books are sold at special Christmas discount prices through Dec. 22.

- The 270 photographs reproduced in *A Pennsylvania Album: Picture Postcards, 1900-1930* recapture a way of life in each of Pennsylvania's counties during the period of 1900 until 1930. Each of the postcards reproduced is accompanied by a short, explanatory caption. George Miller is the author. (Regularly: \$18.75/cloth; sale price: \$14. Regularly: \$12.50/paper; sale price: \$10)
- *Pennsylvania Prints* — From the Collection of John C. O'Connor and Ralph M. Yeager contains an array of prints showing Pennsylvania town views and landscapes, political and military scenes, disasters and famous events. This catalog, compiled by Judith W. Hansen, features a selection of 83 excellent reproductions. The O'Connor and Yeager Collection includes over 300 items, collected over a period of

more than 30 years, and is one of the most comprehensive collections of Pennsylvania town views. The collection has long been a feature of the Tavern Restaurant in State College. (Regularly: \$17.95/cloth; sale price: \$13.50. Regularly: \$10/paper; sale price: \$7.50)

— Of particular interest to Centre County residents is *Historic Buildings of Centre County, Pennsylvania*, prepared by the Historic Registration Project of the Centre County Library, George Ramsey, Coordinator. This volume describes in detailed text and 236 photographs, maps and drawings, local structures which include log houses and round barns, the Georgian and Victorian mansions of the ironmasters and landowners, sturdy inns and mills, hotels, churches, farms, and buildings of the Beaux-Arts classicism on the University campus. (Regularly: \$17.50/cloth; sale price: \$14)

— *Pennsylvania 1776*, Robert A. Secor, general editor. This book is a vivid portrayal of life in Pennsylvania at the time of the Declaration of Independence. (Limited number. Regularly: \$25; sale price: \$10)

— Richly illustrated with 18 color and 78 black and white photographs, *Country Cloth to Coverlets: Textiles in 19th Century Pennsylvania* by Sandra Rambo Walker documents nearly 1,600 weavers and their locations in the Union, Snyder, Clinton, Centre, Lycoming, Montour, Columbia, and Northumberland county areas during the nineteenth century. This book includes both biographical material on the weavers and an examination of their style and type of weaving. (Regularly: \$7.95/paper; sale price: \$6.35)

— *Willow, Oak and Rye: Basket Traditions in Pennsylvania*, Jeanette Lasansky, examines the 19th and 20th century baskets made by immigrants and their descendants, and points out in what ways these

baskets resemble or differ from those made in other parts of the country. Regional styles within the state are identified and baskets are discussed in terms of changing construction methods, materials, and the forms or shapes used by the makers. This volume contains illustrations of over 120 pieces with old photographs of basketmakers at work and baskets in use. (Regularly: \$7.95; sale price: \$6.35)

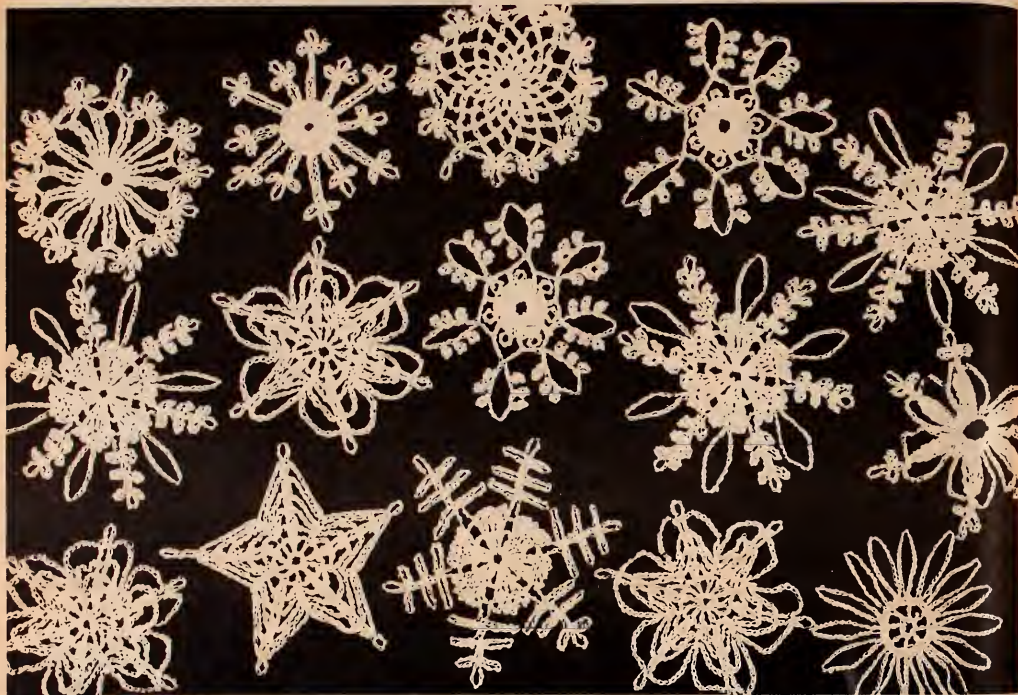
— An authentic view of people and activities in rural areas and towns of Pennsylvania and Virginia in the 1880s is revealed in *Our Summers: The Photographs of Horace Engle*, by Edward Leos. These early photographs, salvaged and printed by the author, were taken by Horace Engle (1861-1949), who was a chemist, promoter, inventor, and researcher at the Edison labs, as well as a lifelong amateur photographer. Prints of the Engle photographs are in the collections of the Museum of Modern Art and the William Penn Museum of the Pennsylvania Historical and Museum Commission. (Regularly: \$19.75/cloth; sale price: \$14.80)

— The 651 tunes in *Dance to the Fiddle — March to the Fife: Instrumental Folk Tunes in Pennsylvania*, by Samuel P. Bayard, represent an important segment of the musical heritage of North America and comprise what may well be the largest collection of Anglo-Celtic American folk music. The tunes that Prof. Bayard collected since 1928, along with those furnished by his associates in the project, were sorted and organized into the present collection (some with as many as 25 versions) and annotated with the aid of leading authorities and published sources. This authentic collection will be invaluable both to the folklorists and to composers, performers, or students of music. (Regularly: \$28.50/cloth; sale price: \$21.35)

University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Winter Term 1982-83



Special Events

Thursday, Dec. 2

Winter Term classes begin.
Continuing Education registration, noon-8 p.m., 101 Kern. Also Dec. 3, 9 a.m.-4 p.m.
Commons Gallery, International Artifacts sale, 9 a.m.-4:30 p.m., Kern Lobby. Continues through Dec. 15.

Sports: women's swimming and diving vs. North Carolina and West Virginia, 1 p.m.; men's swimming and diving vs. West Virginia, 7 p.m.; wrestling vs. Michigan, 7:30 p.m.

Kern Classics, *Porkeys*, 7 and 9 p.m., 112 Kern. HUB Craft Center Open House, 7:30-9:30 p.m., 312 HUB.

Friday, Dec. 3

Sports: wrestling, Penn State Invitational, 1 and 7 p.m. Also Dec. 4.
Shaver's Creek Nature Center, A Party for the Holiday Season, 7 p.m., Nature Center. Information and registration: 238-5872.
GSA Coffeehouse, 8 p.m., 102 Kern.

Saturday, Dec. 4

Sports: men's swimming and diving, Penn State Relays.
France-Cinema, *Blier, Preu, Brez*, 7 and 9 p.m., 112 Kern. Also Dec. 6.
Artists Series, Pittsburgh Ballet Theatre, *The Nutcracker*, 7:30 p.m., Eisenhower Auditorium.

Sunday, Dec. 5

HUB Craft Center classes begin, through Dec. 9.
Shaver's Creek Nature Center, Wreaths and Holiday Decorations, 2 p.m., Nature Center. Also Dec. 8, 7 p.m.; Dec. 12, 2 p.m.
Information and registration: 238-5872.
Artists Series, Pittsburgh Ballet Theatre, *The Nutcracker*, 2:30 and 7:30 p.m., Eisenhower Auditorium.
Sports: women's basketball vs. Villanova, 2 p.m.; men's basketball vs. Widener, 7 p.m.

Week of December 6

Monday, Dec. 6

Sports: wrestling vs. Iowa, 7:30 p.m.
Israel Week, film, *Archeology of Israel*, 8 p.m., HUB Assembly Room.
David Gatts and Robert Baisley, trombone and piano, recital, 8:30 p.m., Recital Hall.

Tuesday, Dec. 7

Museum of Art gallery talk, 10:30 a.m., Museum of Art. James A. Welu on "The Bordello in Dutch Art: Some Room for Thought."

Life on Earth Series, *Life in the Tiers*, noon, Kern Lobby.

Artists Series film, *Strange Cargo*, with Joan Crawford and Clark Gable, 8 p.m., Schwab.
Sports: men's basketball vs. Philadelphia Textile, 8:10 p.m.

Israel Week, talk, 8:30 p.m., HUB Assembly Room. Odde Ben-Haim, Israeli Consulate, on "The Political Aspects of Energy."

Wednesday, Dec. 8

Noontime Entertainment, Percussion Ensemble, Kern Lobby.
Women Artists Film Series, *Nevelson in Process*, 12:15 p.m., Zollner Gallery.

Sports: men's swimming and diving vs. Villanova, 4 p.m.

1982 Nelson Taylor lecture, 7:30 p.m., 112 Kern. W. David Kingery, M.I.T., on "The History and Prehistory of Ceramics Revealed by Amfart Studios."

Israel Week, slide show, 8 p.m., 112 Walker. "Israel to the Eyes of a Tourist," presented by the Rev. John Dromazos.

English Colloquium, 8 p.m., 101 Kern. Philip Young, English, on "Hawthorne's Secret."

Thursday, Dec. 9

1982 Nelson Taylor lecture, 4 p.m., 26 Mineral Sciences. W. David Kingery, M.I.T., on "The Chemistry of Grain Boundaries and Its Influence on Properties of Ceramics."

Shaver's Creek Nature Center, An Evening with Bill Strains, folk concert, 8 p.m., Paul Robeson Cultural Center.
Kern Classics, *Old Man & the Sea*, 7 and 9 p.m., 112 Kern.

Friday, Dec. 10

Holiday Festival IX, an Inter-Cultural celebration, opening ceremonies, 10:30 a.m., Kern Lobby.
Kern Musical Christmas Dinner, 6:30 p.m., 101 Kern. Reception, 6 p.m.
Cinema-theque, *Rebellion*, 7 and 9 p.m., HUB Assembly Room. Also Dec. 11.
Penn State-Soviet Union Gymnastics meeting, 7:45 p.m., Rec Hall.

Saturday, Dec. 11

Israel Week, Channukkah Coffeehouse, 7 p.m., HUB Main Lounge. Singer: Abby-Sue.
France-Cinema, *Lattuada, Stay As You Are*, 7 and 9 p.m., 112 Kern. Also Dec. 13.
Sports: men's basketball vs. Alabama, 8:10 p.m.

Sunday, Dec. 12

Holiday Festival IX, International Fair, noon-6 p.m., HUB Ground Floor. Messiah Sing-In, 3 p.m., Eisenhower Auditorium; Christmas Caroling Around Campus, 6:30 p.m., Eisenhower Chapel.
Mike Scolamiero, clarinet, recital, 3:30 p.m., Recital Hall.

Week of December 13

Monday, Dec. 13

Late registration deadline.
Add deadline.
HUB Craft Center Instructors' Holiday Sale, 10 a.m.-4 p.m., HUB Gallery. Continues through Dec. 15.
Holiday Festival IX, International Crafts Demonstrations, 11:30 a.m.-1:30 p.m., Kern Cafeteria.
France-Cinema, *Stay As You Are*, 7 and 9 p.m., 112 Kern.

Tuesday, Dec. 14

Holiday Festival IX, Dinner and Musical Entertainment, 11:30 a.m.-1:30 p.m., Kern Cafeteria; Grace Lutheran Church Renaissance Singers, hand bell music, 7:30-7:45 p.m.; Kern Lobby; International Dancers, 7:30-8:30 p.m., HUB Ballroom.
Life on Earth Series, *The Compulsive Communicators*, noon, Kern Lobby.
GSA Assembly meeting, 7:15 p.m., 101 Kern. University Readers, 7:30 p.m., Kern Auditorium. Dr. Tony M. Lewis's one-man performance of Dickens' *A Christmas Carol*. Also Dec. 15.

Wednesday, Dec. 15

Holiday Festival IX, plant sale, 10 a.m.-4 p.m., Kern Lobby.
Women Artists Film Series, *Frankenthaler: Toward a New Climate*, 12:15 p.m., Zollner Gallery.
Graduate Council meeting, 3 p.m., 101 Kern.
Poetry reading by Carol Muske, 3:30 p.m., East Books Room. Patten.
Colloquy, 8 p.m., Eisenhower Auditorium. Columnist Jack Anderson discusses issues.

Thursday, Dec. 16

Holiday Festival Noontime Entertainment, Phi Mu Alpha Brass Ensemble, 11:30 a.m., Kern Lobby; Bread and Chocolate, 8:30 p.m., HUB Ballroom.
Kern Classics, *Journey to the Center of the Earth*, 7 and 9 p.m., 112 Kern.
Percussion Ensemble concert, 8:30 p.m., Recital Hall.

Friday, Dec. 17

Holiday Festival, International Crafts Demonstration, 11:30 a.m., Kern Lobby; German Dinner, 6 p.m., Maple Room; Dramatization and speech, Dr. Maulana Ron Karenga, on "KWANZAA - An African American Holiday," 7:30 p.m., Paul Robeson Cultural Center; International Coffeehouse, 8 p.m., 102 Kern.
Cinema-theque, *Double Suicide*, 7 and 9:30 p.m., HUB Assembly Room. Also Dec. 18.
GSA Coffeehouse, 8 p.m., 102 Kern.
Joel Westa, baritone, recital, 8:30 p.m., Recital Hall.

Saturday, Dec. 18
Holiday Festival IX. Children's Christmas Party, 1 p.m., Faus Robeson Cultural Center.
France-Cinema, Makavejev, *Montenegro*, 7 and 9 p.m., 112 Kern. Also Dec. 20.

Sunday, Dec. 19
Holiday Festival IX. Glee Club concert, 3 p.m., Schwab.

Week of December 20

Tuesday, Dec. 21
Pass-fail. Also Jan. 3 and 4.
Sports: women's basketball vs. Ohio State, 7:30 p.m.

Thursday, Dec. 23
University offices closed for holiday break through Jan. 2.

Week of January 3

Monday, Jan. 3
Winter Term classes resume.
Sports: wrestling vs. Missouri, 7:30 p.m.

Tuesday, Jan. 4
Drop deadline.
Pregnancy deadline for Spring 1983.
Sports: men's basketball vs. George Washington, 8:10 p.m.

Wednesday, Jan. 5
Nonnight Entertainment, Dan Johnson, Kern Lobby.

Women Artists Film Series, *Georgia O'Keeffe*, Part I, 12:15 p.m., Zoller Gallery.
Sports: women's basketball vs. Fairfield, 7:30 p.m.

Friday, Jan. 7
Cinemathèque, *The Key*, 7 and 9 p.m., HUB Assembly Room. Also Jan. 8.
Sports: wrestling vs. Iowa State, 8 p.m.
Barbara Harback-George, organ, recital, 8:30 p.m., Recital Hall.
CSA Coffeehouse, 8 p.m., 102 Kern.
Artists Series, Compagnie Philippe Genty, 8:30 p.m., Schwab.

Saturday, Jan. 8
Sports: women's fencing vs. Fairleigh Dickinson and St. Peter's, 9 a.m.; men's basketball vs. St. Bonaventure, 1:30 p.m.; women's basketball vs. Connecticut, 7:30 p.m.
Artist Series, Disney Saturday, *Savio Family Robinson*, 10:30 a.m. and 2 p.m., Schwab.
France-Cinema, *Goetta*, *The Locomaker*, 7 and 9 p.m., 112 Kern. Also Jan. 10.

Week of January 17

Tuesday, Jan. 18
Museum of Art Gallery Talk, 10:30 a.m. Jerome Witkin, Syracuse Univ., in conjunction with exhibits "Jerome Witkin—Paintings and Drawings: A Decade of Work,"
Senate-Faculty Council meeting, 1:30 p.m., 111 Kern.

Shaver's Creek Nature Center, Armchair Naturalists—A Whale's Eye View of the World, 7:30 p.m., 272 Rec Hall.

Wednesday, Jan. 19
Women Artists Film Series, Photography: Dorothea Lange, *The Oiler for Me*, 12:15 p.m., Zoller Gallery.
Graduate Council meeting, 3 p.m., 101 Kern.
Sports: men's basketball vs. Niagara, 8:10 p.m.
URTC, *The Tempest*, student preview performance, 8 p.m., Playhouse Theatre.

Friday, Jan. 21
Cinemathèque, *Diary of a Shinjuku Thief*, 7 and 9 p.m., HUB Assembly Room. Also Jan. 22.
Sports: men's swimming and diving vs. Virginia, 7 p.m.; women's gymnastics vs. Utah State, 8 p.m.
URTC, *The Tempest*, 8 p.m., Playhouse Theatre. Also Jan. 22, 23, 26-30, Feb. 2-5, Sunday performances at 7:30 p.m.; Sunday matinee at 2:30 p.m.

Shaver's Creek Nature Center, EARTHSONG, Doug Wood in concert, 8 p.m., Paul Robeson Cultural Center.
CSA Coffeehouse, 8 p.m., 102 Kern.
Artists Series, The Folger Consort, 8:30 p.m., Schwab.

Saturday, Jan. 22
Sports: women's fencing vs. Pennsylvania, St. John's, San Jose State and Temple, 9 a.m.; men's fencing vs. Pennsylvania and St. John's.

11 a.m.; women's swimming and diving vs. Virginia, 1 p.m.; women's basketball vs. Boston University, 3 p.m.; men's swimming and diving vs. Johns Hopkins, 4 p.m.; wrestling vs. Lehigh, 8 p.m.
Faculty Women's Club, Midwinter Coffee, 9:30-11:30 a.m., Fireside Lounge, Nittany Lion Inn.
Artists Series, Disney Saturdays, *The Many Adventures of Winnie the Pooh*, *Ugly Duckling* and *Golden Fish*, 10:30 a.m. and 2 p.m., Schwab.

University Choir and Symphony concert, 8:30 p.m., Eisenhower Auditorium.

Sunday, Jan. 23
Shaver's Creek Nature Center, Members Snow Festival, 2 p.m., Nature Center.

Week of January 24

Monday, Jan. 24
France-Cinema, *The Umbrellas of Cherbourg*, 7 and 9 p.m., 112 Kern.
Susan Klick and Anne Waller, flute and guitar concert, 8:30 p.m., Recital Hall.

Tuesday, Jan. 25
Artists Series film, *Cat On A Hot Tin Roof*, with Elizabeth Taylor, 8 p.m., Schwab.
Sports: wrestling vs. Millersville, 8 p.m.

Wednesday, Jan. 26
Women Artists Film Series, Photography: Dorothea Lange, *Under the Trees*, 12:15 p.m., Zoller Gallery.

Friday, Jan. 28
Shaver's Creek Nature Center, Adventure Series, continues through Jan. 29.
Registration and information: 238-5872.
Cinemathèque, *Life of a Woman (Othello)*, 7 and 9:30 p.m., HUB Assembly Room. Also Jan. 29.

Sports: women's gymnastics vs. Oklahoma State, 8 p.m.; men's gymnastics vs. Indiana State, 8 p.m.
CSA Coffeehouse, 8 p.m., 102 Kern.
Artists Series, Ruth Laredo, pianist, 8:30 p.m., Eisenhower Auditorium.

Saturday, Jan. 29
Sports: women's fencing vs. California State (PA), Cornell, Indiana (PA), James Madison and William Patterson, 9 a.m.; men's volleyball, Nittany Lion Invitational, 7 a.m.; men's basketball vs. Massachusetts, 1:30 p.m.
France-Cinema, *Kurys*, *Cocktail Molotov*, 7 and 9 p.m., 112 Kern. Also Jan. 31.

Sunday, Jan. 30
Sports: men's swimming and diving vs. Harvard, 1 p.m.; women's basketball vs. Tennessee, 3 p.m.; men's volleyball vs. Ohio State, 7 p.m.

Week of January 31

Monday, Jan. 31
First day for signing Spring Term NDSL and University Long Term Loans, 108 Shields.
Shaver's Creek Nature Center, Tracks and Traces Walk, 2 p.m., Nature Center.

Tuesday, Feb. 1
American Red Cross, Bloodmobile, 10 a.m.-4 p.m., HUB Ballroom. Also Feb. 2.
University Senate meeting, 1:10 p.m., 112 Kern.
Shaver's Creek Nature Center, Armchair Naturalists—The Undangered, 7:30 p.m., 272 Rec Hall.

Wednesday, Feb. 2
Women Artists Film Series, *Spiri Catcher - The Art of Betsy Sarr*, 12:15 p.m., Zoller Gallery.
Sports: women's basketball vs. West Virginia, 7:30 p.m.
Wind Ensemble concert, 8:30 p.m., Recital Hall.

Thursday, Feb. 3
Sports: wrestling vs. Wilkes, 8 p.m.

Friday, Feb. 4
Cinemathèque, *Gate of Hell*, 7 and 9 p.m., HUB Assembly Room. Also Feb. 5.
Sports: men's volleyball vs. USSR All-Stars, 7 p.m.

CSA Coffeehouse, 8 p.m., 102 Kern.
Artists Series, *The New York Theatre of London*, *Cathedral*, 8:30 p.m., Eisenhower Auditorium.

Saturday, Feb. 5
Shaver's Creek Nature Center, Children's Birding Workshop, 9 a.m., Nature Center. Also Feb. 12, 19.

Sports: women's swimming and diving vs. Princeton, 1 p.m.; men's basketball vs. Navy, 1:30 p.m.; men's gymnastics vs. Nebraska, 8 p.m.
France-Cinema, *Fiadat*, *Loulou*, 7 and 9 p.m., 112 Kern. Also Feb. 7.
Concert and Chamber Choirs concert, 8:30 p.m., Schwab.

Sunday, Feb. 6
Shaver's Creek Nature Center, Evergreen Walk, 2 p.m., Nature Center.

Week of February 7

Monday, Feb. 7
Late drop deadline.
Last day for signing Winter Term NDSL and University Long Term Loans, 108 Shields.

Tuesday, Feb. 8
Artists Series film, *The Magic Flute*, with Hagen Hagegard as Papageno, 8 p.m., Eisenhower Auditorium.

Wednesday, Feb. 9
Nonnight Entertainment, Whetstone Run, Kern Lobby.
Women Artists Film Series, *Mary Cassatt: Impressionist from Philadelphia*, 12:15 p.m., Zoller Gallery.
Sports: women's gymnastics vs. Nebraska, 8 p.m.
Flederman Ensemble concert, 8:30 p.m., Recital Hall.

Friday, Feb. 11
Sports: men's gymnastics vs. Southern Connecticut, 8 p.m.
Cinemathèque, *The End of Summer*, 7 and 9:30 p.m., HUB Assembly Room. Also Feb. 12.
CSA Coffeehouse, 8 p.m., 102 Kern.

Saturday, Feb. 12
Sports: men's fencing vs. Carnegie-Mellon, 1 p.m.; men's basketball vs. Rhode Island, 1:30 p.m.; men's swimming and diving vs. St. Bonaventure, 2 p.m.
France-Cinema, *Tanner*, *Jonah Who Will Be 25 In The Year 2000*, 7 and 9 p.m., 112 Kern. Also Feb. 14.
Shaver's Creek Nature Center, Owl Prowl, 7 p.m., Nature Center.
Artists Series, Hakan Hagegard, baritone, 8:30 p.m., Schwab.

Week of February 14

Tuesday, Feb. 15
Museum of Art Gallery Talk, 10:30 a.m.
Museum Staff on "Some Aspects of a Decade of Collecting."
Senate-Faculty Council meeting, 1:30 p.m., 101 Kern.

Wednesday, Feb. 16
Nonnight Entertainment, Penn State Pop Choir, Kern Lobby.
Women Artists Film Series, *Alice Neal: Collector of Souls*, 12:15 p.m., Zoller Gallery.

Shaver's Creek Nature Center, Armchair Naturalists—Easton Waterfall Festival, 7 p.m., 272 Rec Hall.
Sports: women's basketball vs. Cheyney, 7:30 p.m.
URTC, *The Importance of Being Ernest*, 8 p.m., Pavilion Theatre. Also Feb. 17, 18, 19.

Friday, Feb. 18
Faculty Women's Club, pot-luck dinner, 6:30 p.m., Walnut Bldg.
Sports: men's gymnastics vs. North Carolina State, 8 p.m.
CSA Coffeehouse, 8 p.m., 102 Kern.
Composers' concert, 8:30 p.m., Recital Hall.

Saturday, Feb. 19
Sports: men's fencing vs. Navy, 1 p.m.; women's gymnastics vs. Pittsburgh and *West Virginia, 2 p.m.; wrestling vs. Lock Haven, 8 p.m.
France-Cinema, *Barretto*, *Don Flor And Her Two Husbands*, 7 and 9 p.m., 112 Kern. Also Feb. 21.

Sunday, Feb. 20
Sports: men's basketball vs. Duquesne, 1:30 p.m.
Musica da Camera/Chamber Choir benefit concert, 7:30 p.m., Museum of Art.

Week of February 21

Monday, Feb. 21
Classes end.
Last day for signing Winter Term Short-Term Loans, 108 Shields.
Sports: men's basketball vs. Boston University, 8:10 p.m.

Tuesday, Feb. 22
Final examinations through Feb. 25.

Saturday, Feb. 26
Sports: men's indoor track and field, Last Chance Invitational, 1 p.m.

Week of February 28

Monday, Feb. 28
Sports: women's basketball vs. Montclair, 7:30 p.m.

Saturday, March 5
Winter Term Commencement, 10:30 a.m., Recreation Building.
Sports: men's basketball vs. Rutgers, 8:10 p.m.

Exhibits

Chambers Gallery
Gallery Hours: Monday through Friday, 8 a.m.-10 p.m.; Saturday and Sunday, 10 a.m.-6 p.m.
Harriet Rosenberg, mixed media art exhibit, through Dec. 15.
Art Education Graduate Student Group Show, Jan. 7-Jan. 27.
Didactic Children's Drawings, curated by Dr. Brent Wilson, Jan. 31-Feb. 21.

Kern Gallery
Rosalba Morean, paintings and drawings, through Dec. 21.
Cheryl McWish, paintings, Jan. 4-28.
Ken Hull, pen and ink drawings, Jan. 5-28.
Walter Shroyer, paintings and prints, Feb. 1-25.
Tom Lacer, woodturner, Feb. 1-25.

Museum of Art
Museum Hours: 11 a.m.-4:30 p.m. Closed Mondays, Tours, Sundays, 1:30 p.m.
A Decade of Collecting: A Survey of the Museum's Collection, through Dec. 22.
Selections from the Museum's Collection, through Jan. 9.
Chinese Jade Carvings from the Collection of Dr. and Mrs. Harold I. Tonkin, Jan. 16-Mar. 13.
Jerome Witkin - Paintings and Drawings: A Decade of Work.

Visual Arts Bldg., Zoller Gallery
Gallery Hours: Monday through Friday, 9 a.m.-5 p.m. Saturday and Sunday, 1-5 p.m. Closed weekends through Christmas holidays.
MFA Students Group Exhibition, through Jan. 3.
Harry Nadler: Paintings and Drawings, Jan. 6-30.
Tod Savinard: Installations, Feb. 3-27.

25-year award



Warren R. Hafner, University Registrar, has completed 25 years of service at the University.

Promotions

Staff Exempt

Mary Dunkle to administrative assistant in Health, Physical Education and Recreation.

Janice M. Hassen to assistant Extension agent in Agriculture.

Clerical

Lorri L. Bryan to customer service clerk A in Bookstore.

Karen Dertine to clerk, file B in Student Administrative Services.

Janice L. Hall to technical secretary B in Applied Research Laboratory.

Diane L. Neidigh to secretary C in Agriculture.

Linnea L. Noll to clerk, typist A in Agriculture.

Daisy E. Romig to secretary B in Graduate School.

Jerome L. Soltenberger to accounting clerk in Student Affairs.

Karen L. Sweetley to secretary A in

Engineering.
Kathy Y. Vargo to accounting clerk in Science.

Laune J. Walington to secretary C in Human Development.

Cynthia E. Yarnell to secretary A in Graduate School.

Obituaries

Kenneth E. Knepp, plumber and heating and ventilation technician in Physical Plant from June 5, 1967, until his retirement July 5, died Nov. 20 at the age of 55.

George Gheen, residence hall worker in Housing and Food Services from Sept. 1, 1951, until his retirement July 1, 1969, died Nov. 18. He was 78.

William M. Benson, janitor in Physical Plant from Feb. 15, 1930, until his retirement March 1, 1965, died Nov. 15. He was 80.

Partings

Mildred S. Snoddy, secretary at Capitol, from March 25, 1969, to Oct. 30.

Marla K. Hoy, senior accounting clerk in Intercollege Research Programs from Jan 17, 1972, to Oct. 1.

Carpoolers

Bill Burns is looking for a ride from Aaronsburg to the East Halls area. Mr. Burns works from 8 a.m. to 5 p.m., Mondays through Fridays, at Pinchot Hall, University Learning Center and can be reached at 865-1325 or 349-8127.

Helen Liveringhouse would like two or more people to share the driving from Lewistown to the University. She works in Chambers Building from 8 a.m. to 5 p.m., Mondays through Fridays, and can be reached at 865-2523.

Safety Council charts health and safety course

Although some faculty and staff members are not aware of it, a 30-member committee meets once a month to help chart the University's course on matters related to health and safety. Its members are the people University employees and students should contact when they have a concern related to safety or environmental health.

"We're here to serve the University community but people often express surprise upon learning that such a committee exists," says Howard O. Triebold Jr., manager of safety.

Mr. Triebold is chairman of the University Safety Council, whose members represent various areas within the University and are responsible for routine health and safety matters in their areas.

Their duties include investigating accidents, developing routine safety procedures and conducting periodic inspections, among other things. Each Council member also is expected to establish a safety committee in his or her area of responsibility.

"Safety is everyone's responsibility — not just the Council's or the safety manager's," says Mr. Triebold. "Everyone who studies or works on campus should be concerned about the safety of all — students, faculty members, staff members and visitors — who come to Penn State."

Eventually, each campus will have its own safety committee, working under the Council, and some already do. The campuses other than University Park also have a representative on the Council.

Members of the University Safety Council and the areas they represent are: Maurine Banner, Safety Services; Richard Brennenman, Intercollege Research Programs (except ARL); Brian Clark, Student Affairs, HUB, residence halls and Walnut Bldg.; W.E. Crocken, College of Arts and Architecture, auditoriums; David Lindstrom, Ritnerout Health Center, Findlay Hall Clinic;

David Grebos, Kern Graduate Bldg.; A.J. Grill, College of Education; Ken Haney, Business Services; F. Tom Hand, Safety Services, University Bookstores; Charles Houser, College of Earth and Mineral Sciences; Robert Houtz, College of Engineering; Margaret Janowiak, Risk Insurance Office; Linda Kopp, Housing and Food Services Operations;

F. Wally Lester, Continuing Education, Learning and Telecommunication Services; Bruce Kline, Commonwealth Educational System (representative for campuses other than University Park); John Powell, College of Health, Physical Education and Recreation; Earl Lutz, Teamsters Local Union No. 8; Dot Lyons, Physical Plant, Forum Bldg., Old Main, University House and other areas not represented by another Council member; Capt. William D. Stephens, military

departments; George McCorkle, College of Agriculture;

Jeff McChee, Teamsters Local Union No. 8, James Petto, libraries; Harry T. Pierce, Safety Services, Faculty Bldg.; Jack Porta, Management Services, Shields, Controller's Office, basement of Wagner Bldg.; Charles Poust, Nittany Lion Inn;

Richard Reich, ARL; James W. Shigley, College of Science; Trudy Smith, College of Business Administration; Rebecca R. Strouse, College of Human Development; Milton R. Trask, Office of Personnel Administration; Mr. Triebold, Safety Services; Stephen Wright, College of the Liberal Arts.

Gerontology Center awards research grants to faculty

Four grants supporting pilot research work in human/animal interaction have been awarded to University faculty members by the Gerontology Center in the College of Human Development.

Dr. Dan Lacey, coordinator, said the grants were made as part of a program of research on the effects of animal companionship being carried out within the Center.

"The intention is to increase the interest and capability of Penn State faculty members in conducting meaningful research in this area, with an emphasis on identifying and refining appropriate research methods," he said.

The four awards, totaling \$10,950, are supported by a grant from the Green Island Foundation. Faculty members receiving awards and the project titles are:

Helen Hendy, assistant professor of

psychology, Schuylkill Campus, "The Effects of Pets on the Health, Personal Care, and Sociability of Nursing Home Residents;" Lois-Lehman, librarian; Marshall Jones, professor and acting chairman, Behavioral Science; William Kammerer, associate professor of medicine, and C. Max Lang, professor and chairman, comparative medicine, all of the Hershey Medical Center, "Development of a Research Methodology Annotated Bibliography of Animal Companionship Studies;" Lynn Rubin, assistant professor of communication disorders, "Quantitative Analysis of Animal-Human Relationship, Using a Hearing-Ear Dog/Mistress Pair;" and Stuart Sigman, assistant professor of speech communication, "Pets and Their Owners: A Pilot Ethnographic Study."

Penn Staters

Dr. George Andrews, Evan Pugh professor of mathematics, has been appointed chairman of the Committee on Earle Raymond Hedrick Lectures of the Mathematical Association of America. Dr. Andrews also has been appointed adjunct professor at the University of Waterloo, Canada.

Four members of the Cooperative Extension Service staff — Douglas B. Biegle, Extension agronomist; Dr. Richard S. Adams, Extension dairy specialist; Joseph A. McCurdy, Extension agricultural engineer, and Mrs. Lucy Williams, Farm Management Extension Office, have been honored for their educational contributions by the Pennsylvania Chapter of Epsilon Sigma Phi, national extension honorary fraternity.

Yar G. Chomicky, professor of art education, was one of 60 artists to exhibit in "The Southern Alleghenies Triennial: A Regional Invitational," at the Southern Alleghenies Museum of Art.

Joseph F. Douglas, associate professor of engineering design technology at the Capitol Campus, has been elected vice chairman of Region 2 of the Institute of Electrical and Electronics Engineers, Inc.

Dr. Michael W. Ecker, assistant professor of mathematics at the Worthington Scranton Campus, has been appointed to the Mathematical Association of America's Committee on High School Contests and its American Invitational Mathematics Examination Subcommittee.

Dr. Rodney Erickson, associate professor of geography, and director of the Pennsylvania Economic Analysis Program in the College of Business Administration, served as a Fulbright Senior Research Scholar at the University of Manchester, England, where he also was elected a Simon Senior Research Fellow.

Donald W. Leslie, associate professor of landscape architecture, has been

elected president-elect of the Pennsylvania-Delaware Chapter of the American Society of Landscape Architects.

Dr. Richard P. McNitt, professor and head of the Department of Engineering Science and Mechanics, has been elected vice president of the Society of Engineering Science for 1983. He will serve as Society president in 1984.

Dr. Moylan C. Mills, associate professor of English and humanities at the Ogonitz Campus, has been named president of the Pennsylvania Division, American Association of University Professors.

Dr. C. Terry Morrow, associate professor of agricultural engineering, has received a "Certificate of Recognition" from the National Aeronautics and Space Administration (NASA) "for the creative development of a technical innovation which has been proposed for publication as a NASA Tech Brief entitled 'Application

of Satellite Freeze Forecast Technology to other Parts of the United States — Phase II."

Dr. Donald C. Rung, professor of mathematics, has been appointed chairman of the Committee on Employment and Educational Policy of the American Mathematical Society.

Dr. Wayne A. Schutjer, professor of agricultural economics, has been appointed co-chairman of the Economics, Statistics, and Planning Panel of the International Science and Education Council. The planning panel is responsible for developing and coordinating scientific exchange between the United States and the Peoples Republic of China in areas of agricultural planning, data collection, and agricultural economics.

Wesley Wei, instructor in architecture, has received honorable mention in the national "William LeBaron Jenney Memorial Competition," sponsored by the Chicago Architectural Foundation.

Focus on the arts

Concert slated

The School of Music will present the Percussion Ensemble in concert under the direction of Dan Armstrong at 8:30 p.m. Thursday, Dec. 16, in the Music Bldg. recital hall.

The program will include works by Carlos Chavez (Tocata), Richard Bernard (Ostinato), and Paul Creston (Cremationa). The second half of the program will consist of lighter works by Markovitch, Herzog, Dorn (arranged by Ed Nardi, a member of the ensemble), Colgrass, and Arndt (arranged by Dan Armstrong), including nostalgia pieces for xylophone and marimba ensemble.

The Ensemble is comprised mainly of music majors, but membership is open by audition to others. Featured guest artists will be School of Music faculty members Susan Kllick, flute, and Anthony Walts, piano. Approximately 25 different kinds of percussion instruments will be used, ranging from the familiar snare drum to a four-piece set of Pyrex mixing bowls.

Director Dan Armstrong, instructor of percussion, joined the School of Music faculty this fall. He has taught at the University of Michigan, Albion (Michigan) College, the University of Oklahoma, and North Texas State University.

Mr. Armstrong has performed with the Oklahoma and Dallas Symphony Orchestras, and the Aspen and Breckenridge Music Festivals. He holds a bachelor of music degree from North Texas State University (1975) and a master of music degree from the University of Michigan (1982).

Recital set

The School of Music will present clarinetist Michael Scolamiero in recital at 3:30 p.m. Sunday, Dec. 12, in the Music Bldg. recital hall. Mr. Scolamiero is a candidate for the master of music degree.

His recital will include the *Sonata for Clarinet* by Francis Poulenc, and the Brahms *Sonata*, op. 120, no. 1.

Accompanying Mr. Scolamiero will be pianist Timothy Shuey. Soprano Paula Hepler will perform "Der Hirt auf dem Felsen" (The Shepherd on the Rock), op. 129 by Franz Schubert with Mr. Scolamiero and Mr. Shuey. Mr. Scolamiero will be joined by Rusty Peggy Shipley and oboist Susan Stetler for Matthew Arnold's *Duerrimento*, op. 34.

Mr. Scolamiero received his bachelor of science degree from Lebanon Valley College in 1981. He performed the Mozart *Concerto* for clarinet with The Pennsylvania State University Symphony Orchestra last March on its Young Artists Concert. He is principal clarinet of the Symphony and a first clarinet in the Symphonic Wind Ensemble.

Art lecture

Anne Prache, professor of art at the University of Paris (France), will discuss "The Abbey Church of St. Remi at Reims and Early Gothic Architecture" at 8 p.m. Thursday, Dec. 9, in Room 305 Hetzel Union Bldg.

Professor Prache currently is a visiting professor in the Department of Art and Art History at the University of Pennsylvania in Philadelphia.

The public is invited to the lecture, jointly sponsored by the Department of Art History and the Institute for the Arts and Humanistic Studies.

Holiday classic

University Readers will present Dr. Tony M. Lentz's one-man performance of Charles Dickens' classic "A Christmas Carol" at 7:30 p.m., Tuesday and Wednesday, Dec. 14 and 15, in Kern Auditorium. A reading of this story has been a Penn State tradition since 1947.

Dec. 6 recital

The School of Music will present trombonist David Gatts in recital at 8:30 p.m. Monday, Dec. 6, in the Music Bldg. recital hall. Mr. Gatts will be accompanied by faculty pianist Robert Baisley.

Mr. Gatts will perform a sonata by the Baroque composer Johann Friedrich Fasch and a 19th century work by Carl Maria von Weber, *Romance*.

Three 20th century works in varied styles complete the program. Richard Monaco's *Sonata* (1969) combines elements of tone-row technique with jazz influences. *Fantasy* (1976) by Roy Johnson is written in a more abstract, contemporary style. *Fantasy* was commissioned by the International Trombone Association. The final work on the program is by Scandinavian composer Launy Grondahl. His *Concerto* (1924) is

written in a late Romantic idiom reminiscent of Grieg.

Mr. Gatts coaches student brass ensembles, and directs Collegium Musicum, the School of Music's historical instrument ensemble. He is a member of Nova Consort.

He joined the School of Music faculty in 1981, and was previously on the faculty at Florida State University, and Valdosta State College in Georgia.

Professor Baisley has been on the School of Music faculty since 1965. He has performed extensively in chamber music and as an accompanist. He will appear on a Cambria recording of the Thalia Trio with fellow faculty Joanne Zagst and Leonard Feldman to be released this month.

Ticket sale

The Artists Series will hold its annual holiday ticket sale from 9 a.m. to 4 p.m. Wednesday and Thursday, Dec. 15 and 16, at the Eisenhower Auditorium box office.

The sale offers the opportunity of buying tickets to individual performances for holiday gift giving.

Tickets will be on sale for the Campagnie Philippe Genty, the Twyla Tharp Dance Company, Centerbury Tales by the New Vic Theatre of London and the Ballet Folclorico Nacional de Mexico.

The Campagnie Philippe Genty troupe, performing at 8:30 p.m. Friday, Jan. 7, in Schwab Auditorium, is an intriguing balance of comedy and Kafkaesque elements conjured up by marionettes, puppets, and Black Light figures. The pieces range from an achingly sad Pierrot to a zany Ostrich Ballet. Genty is adult entertainment that's like the Muppets, Mummenshanz, but much more.

The Twyla Tharp Dance Company will perform at 8:30 p.m. Friday and Saturday, Jan. 14 and 15, in Eisenhower Auditorium. Miss Tharp, a choreographer of unique vision and intense energy, combines modern, pop and classical rhythms in a highly original style. Her dancers are known as the classiest, fastest, and toughest performers in the business.

The New Vic Theatre of London will perform "Centerbury Tales" at 8:30 p.m. Friday, Feb. 4, in Eisenhower Auditorium. This production is a brilliantly conceived and wildly funny rendering of six Chaucer tales. The Evening Post has called it "fast moving, hilarious and worth going to see."

The Ballet Folclorico Nacional de Mexico, performing at 8:30 p.m. Saturday,

March 12, in Eisenhower Auditorium, is considered the most authentic exponent of Mexico's rich heritage of folk music and dance. "A splashy show, wild with color and choreographic innovations," acclaims the Oregon Journal.

Dance concert

The Contemporary Dance Company, sponsored by the College of Health, Physical Education and Recreation, will present a concert at 8:30 p.m. Saturday, Dec. 11, and 1:30 and 4 p.m. Sunday, Dec. 12, in the White Hall Dance Theatre on the University Park Campus.

"The first concert of the season will be a departure from what the Contemporary Dance Company has done in the past," said director Patricia Heigel-Tanner. "Premiering six new pieces at one time in itself is something new for the Company. However, this year the Company is taking on a whole new style as well."

Rather than a formal presentation, the Company has chosen to use a more informal style to open the 1982-83 season. Ms. Heigel-Tanner, along with assistant directors Kathy Short and Deborah Bresset Whelan, will introduce each piece and give the audience some insight as to why it is being presented as it is.

To the music of Ravel, Ms. Heigel-Tanner has choreographed an abstract dance entitled "Impressions," that will focus on the use of designs. Kathy Short, who has been a guest choreographer for the Contemporary Dance Company in the past, is premiering two new works entitled "In the Window" and "Tsun."

Deborah Bresset Whelan, in her first year with the Company, is bringing three new pieces to the concert. The first piece is untitled and her other two pieces are "Rites" and "In Good Company."

Contemporary Dance Company members are all University students or faculty members and include Ruth Anderson, Jennifer Bloko, Stephen Hancock, Liz Limons, Drew London, Michelle Merri, Chris Nichols, Elaine Reidman, Kerri Watt and Gwen Welliver. Tickets are \$2 for general admission and will be available at the door.

The Nutcracker

Tickets are still available for the Pittsburgh Ballet Theatre's presentation of "The Nutcracker" at 7:30 p.m. Saturday, Dec. 4, and 2:30 and 7 p.m. Sunday, Dec. 5, in Eisenhower Auditorium.

Tickets may be purchased at the Eisenhower Auditorium box office, which is open from 9 a.m. to 4 p.m. daily.

News in Brief

Dr. Florian Coulmans, a linguist from the University of Dusseldorf in Germany, will speak on "Conversational Routine" at 2 p.m. Monday, Dec. 6, in Room 203 Sackett Bldg. The public is invited.

Dr. Coulmans, active in the fields of discourse analysis and sociolinguistics, is also affiliated with the National

Language Research Institute in Tokyo. His visit is sponsored by the departments of German and Speech Communication, the Center for English as a Second Language and the Linguistics Program.

A new Fund for Excellence in Engineering Research has been

established by the College of Engineering.

Dr. Wilbur L. Meier Jr., dean of the College, said the fund was made possible through the "generous and greatly appreciated" assistance of Paul Ebaugh. Dr. Ebaugh, the College of Engineering's first associate dean since retiring, retired with emeritus rank in 1979.

Purpose of the new fund, Dean Meier said, is to support the College's

commitment to excellence in research by providing discretionary monies to initiate and enhance outstanding research activities throughout the College.

Contributions to support this fund may be made to: The Fund for Excellence in Engineering Research, Office of Gifts and Endowments, The Pennsylvania State University, University Park, PA 16802.

Seminars

Dec. 2-Dec. 16

Thursday, Dec. 2
Physics, 3:55 p.m., 445 Davey. Alan R. Bishop, Los Alamos National Laboratory, on "Coherence and Chaos in Driven Nonlinear Systems."

Philosophy, 4 p.m., 317 Willard. John M. Anderson, Evan Pugh prof. emeritus, philosophy, on "Being Finite."
Math, 4 p.m., 102 McAllister. Robert F. Wyle, Northern Illinois Univ., on "Topology and Banach Spaces."

Friday, Dec. 3
Analytical Chemistry, 10 a.m., 55 Osmond. David C. Thornton, Derek Univ., on "Electrochemistry in the Stratosphere: Measure of Ozone."

Monday, Dec. 6
German and Speech Communication, 2 p.m., 203 Sackett. Florian Coulmans, University of Dusseldorf, on "Conversational Routine."

Tuesday, Dec. 7
Philosophy of Science, 3:45 p.m., 319 Walker. Jane Drayton, psychology, on "Philosophy of Science Issues in Research and Practice in Clinical Psychology."
Materials Science, 4 p.m., 112 Walker. P. Minello, on "Radiation Effects on the Fracture of Glass"; T. Hengel, on "Catalysis of Lignite Gasification."

Wednesday, Dec. 8
Sociology, 9:30 a.m., 101 Kern. James J. Zuiches, Cornell Univ., on "The Politics of Science Funding in the 1980's."
History, noon, 124 Sparks. Ode Ben-Haim, Israeli Consulate, Phila., on "Recent Developments in the Middle East."

Thursday, Dec. 9
Chemistry, 12:45 p.m., 55 Osmond. Clark Still, Columbia Univ., on "Studies in Natural Products Synthesis."

Aesthetics, Criticism and Interpretation Theory group, 3:45 p.m., 221 Chambers.
Alphonso Lingis, philosophy, on "Kiong Toey: A Gnostic Meditation on the Spaces Between the Stars and Prison Memories."
Physics, 3:55 p.m., 55 Osmond. Stephen R. Lunden, Harvard Univ., on "Search for Casimir Forces in Atomic Helium."

Friday, Dec. 10
Analytical Chemistry, 10 a.m., 55 Osmond. F.J. Vastola, fuel science, on "Rapid Analytical Measurements Using Microcomputers"

Tuesday, Dec. 14
Materials Science, 4 p.m., 112 Walker. M. Li on "Effect of Anions on Calcination Dolomite"; L. McGahan on "Laser Pyrolysis of Coal."

Thursday, Dec. 16
Chemistry, 12:45 p.m., 55 Osmond. Paul L. Houston, Cornell Univ., on "State-Selected Photodissociation."
Physics, 3:55 p.m., 445 Davey. Paul S. Ho, IBM, on "Electronic Structures and Formation of Schottky Barriers at the Silicon-Silicide Interfaces."
Philosophy, 4 p.m., 317 Willard. Alphonso F. Lingis, philosophy.

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William E. Campbell Jr., Editor
Deborah A. Benedetti, Assistant Editor
Calendar Editor - 865-2501

Opportunities are provided for disabled students

Penn State takes its commitment to provide opportunities to all students — able and disabled — seriously.

"The first goal is to have other University offices and academic departments aware that disabled students are here," says Brenda G. Hameister, coordinator of services for disabled at 135 Boucke Bldg.

"I'd like to help them answer questions from disabled students. I'd also like to raise people's levels of knowledge about the whole topic of disability," she says.

Mrs. Hameister, who's been the full-time coordinator since 1981, says she "tries to be encouraging while being realistic to prospective disabled students."

She says about 150 disabled students have contacted her this year. There are probably many more disabled students within the student population.

"The University never asks students if they are disabled," she says. "It's a student's responsibility to tell us if assistance is needed." There are no questions about disability on the University admission form.

Some kinds of disabilities are: visual, speech, mobility, hearing and learning

disabilities. Some disabilities are invisible, such as hearing impairment and epilepsy. Because there are so many types and variations of disabilities within the student population, students with disabilities do not form a homogeneous group.

As a result, University faculty members need to be sensitive to the special problems disabilities pose, Mrs. Hameister says. "I welcome questions from faculty members."

"Some students with invisible disabilities are reluctant to mention it to faculty members or classmates," she says. "Students want to get along like everyone else and appear able-bodied. Many students with obvious disabilities have learned how to explain their needs to people more readily."

More and more disabled students are applying to Penn State. Once they arrive, they are housed in all residence hall areas.

"There is not a strong communication network of disabled students," Mrs. Hameister says. As a result, there is no automatic way to let students know that they can get help in solving their problems at the Student Assistance Center.

Mrs. Hameister publicizes available services through numerous University publications; a newsletter "Progress" and by working with the Office of Vocational Rehabilitation. "I share information with them. This is one way I can reach students I never hear about," she says. Section 504 of the Rehabilitation Act of 1973 prohibits discrimination against disabled students. The legislation stipulates that the University's academic requirements must not discriminate on the basis of disability against qualified disabled students.

In response to this legislation, the University has completed a self-evaluation of educational opportunities for disabled students, Dr. Robert E. Dunham, vice president for undergraduate studies, says.

"Compliance with 504 legislation is no idle matter," he said. "Federal assistance is tied to our ability to demonstrate the equality of our educational opportunity at Penn State. Moreover, we take compliance seriously, not because we have to, but because we want to offer opportunities to all students."

Most academic accommodations are

inexpensive and easy to handle, Mrs. Hameister says. Options include: changing a classroom to a different location to permit wheelchair access; reading aloud what is written on the blackboard for a blind student; and facing the class while speaking to facilitate speechreading by hearing impaired students.

"When an instructor modifies teaching methods for disabled students, he or she makes the learning experience better for everyone."

"Construction changes, she says, are made only when absolutely necessary or are recommended for highly used classroom buildings.

"The overall goal is to give disabled students equal chances to succeed or fail at Penn State, not to make college attendance 'easier' or to lower standards in any way."

The same assistance offered to students also is available to University employees who are disabled, she says. "I want faculty and staff to know I'm here and that I have resources to offer."

— Deborah A. Benedetti

News in Brief

During the period when offices are closed at University Park for the Christmas break, from 5 p.m. Wednesday, Dec. 22, to 8 a.m.

Monday, Jan. 3, interdepartmental mail service, U.S. mail service and United Parcel service will be suspended.

If, however, a department has a special need for delivery of incoming U.S. mail on Dec. 23, 24, 27, 28, 29, 30 and/or 31, arrangements can be made for the U.S. Postal Service to deliver by calling University Mail Service, 865-4051 before 5 p.m. Friday, Dec. 10.

A department requesting this service is responsible: (1) for assigning an employee to be at work in the building at a specified time to receive the mail; and (2) for receiving all incoming mail for the building in which the department is housed.

The U.S. Postal Service will only sort incoming mail by building, not by department.

Tours of Pattee Library at the University Park Campus will be offered at 9:00 a.m., 11:00 a.m., 1:00 p.m. and 3:00 p.m. Dec. 2 and 3. A 7 p.m. tour will be given Dec. 2. All tours begin in the main lobby of Pattee.

Branch library tours will be offered on the same dates. Tours for undergraduates will begin at 10:00 a.m.; graduate tours begin at 2:00 p.m. The branch libraries are Architecture Reading Room (207 Engineering Unit C); Earth and Mineral Sciences (105 Deike); Engineering (325 Hammond); Life Sciences (E210 Pattee); Mathematics (110 McAllister); and Physical Sciences (230 Davey). Further

information may be obtained by contacting Sally Wayman at 865-6368.

The University Safety Division reminds the University community that when a fresh Christmas tree is used in University buildings, the butt should be immersed in water the entire time it is in the building. A fresh diagonal cut should be made on the butt before placing it in water. Trees are not permitted to remain in buildings for more than ten calendar days. If plastic trees are used, they should be made of non-combustible materials.

The Pennsylvania State Senate has confirmed the reappointment of William K. Ulerich of Clearfield to the University Board of Trustees.

Mr. Ulerich, currently a member of the Board, has been named to an additional three-year term by Governor Dick Thornburgh.

A union representation election was held Nov. 17 by the Pennsylvania Labor Relations Board at the University Park Campus for 25 police service officers of the Department of University Safety.

The election followed a petition filed with the Board earlier this year by the American Federation of State, County and Municipal Employees (AFSCME) seeking to represent the employees for the purpose of collective bargaining under Pennsylvania Act III.

The election ballot provided the choice of AFSCME as exclusive representative and the choice of "no representative." State law specifies that the results of such an election are determined by the majority vote of employees voting. Of the 24 employees who voted, 13 voted for "no representative" and 11 voted for AFSCME.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been identified by the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Dec. 9, 1982. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. Without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

• **Business Manager, DuBois Campus** — Responsible to the campus director for all University business and financial matters at the DuBois Campus including the maintenance and operation of building and grounds, personnel and employee relations services, purchasing, coordination of Physical Plant planning and construction activities, safety and security and financial operations. Bachelor's degree (or equivalent) in business, accounting, management or related field with four to five years effective experience in such areas as physical plant management, grounds maintenance, purchasing, personnel and office management, budget planning and control or security.

• **Coordinator, Returning Adult Student Center, Senior Vice President for Administration, University Park** — Responsible for the coordination and administration of the programs, services, and resources provided by the Returning Adult Student Center. Responsible for planning, delivering and

evaluating services and activities offered through the Center. Administer the budget and coordinate expenditures, disbursements, etc. Provide assistance to adults who are planning to enroll or who are enrolled in the University. Advise students regarding University policies and procedures to facilitate re-entry and progression through programs. Coordinate graduate and undergraduate student practicum and internship programs. Master's degree (or equivalent) in higher education or related field with emphasis in the field of adult education or the adult as a learner, plus two to three years of effective experience required.

• **Career Planning and Placement Specialist, Capitol Campus** — Responsible to the coordinator, Career Planning and Placement, for assisting with the development of positive working relationships with business/industry, social, and government agencies personnel, students, faculty, etc., and the administration of the Career Planning and Placement program at Capitol Campus. Master's degree in administration, personnel, counseling, educational administration, or related fields, or organized study or training on another position equivalent to the master's degree. Two years to three years of effective experience in business/industry required.

• **Assistant Director for University Relations, Witkes-Barre Campus** — Responsible to the campus director for organizing and conducting a comprehensive University relations program for the entire campus including Continuing Education, Office of Public Information and Relations, Gifts and Endowments, Alumni and community activities. Bachelor's degree or equivalent plus two to four years effective experience preferably involving newspaper and/or journalistic writing, public relations. Relevant experience in higher education is desirable.

• **Coordinator, Film Facilities and Equipment, College of Arts and Architecture, University Park** — Maintain a university motion picture

studio and equipment, supervising and instructing students in the use of film and video equipment, and overseeing the scheduling and use of film and video facilities and technical support staff. Bachelor's degree in film or a related field, or equivalent, plus one to two years of effective experience in an academic or professional film/video production setting.

• **Manager, Housing and Food Services, Behrend College** — Responsible for the operation of Housing and Food Services at the Behrend College; directs operation of cafeteria, snack bar, and heavy catering; the assignment of rooms, housekeeping and maintenance services; coordinates activities with the dean of student affairs and "on campus" director. Bachelor's degree or equivalent; two to three years of effective experience.

• **Paramedic Coordinator, College of Medicine, Hershey** — Responsible to the manager of Ambulatory Services and the division chief of Emergency Medicine and

under the direction of the Emergency Care Unit attending physician for coordination of prehospital paramedic treatment and the associated maintenance of the overall EMT-P program. Associate degree or equivalent, and successful completion of the EMT-P II program and test with current certification in Pennsylvania and one to two years of field experience as a Paramedic I and Paramedic II with some of this time in a supervisory capacity.

• **Financial Officer, Controller's Office, University Park** — Responsible to the director of financial officers for the control and accountability of budgets. Interpret and enforce financial and budget policies and procedures. Provide primary assistance to vice president for undergraduate studies and vice president for student affairs in financial and related administrative matters. Bachelor's degree or its equivalent in accounting plus two to three years of effective experience.

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Medical Center will get new facilities

The Hershey Medical Center will expand its services for emotionally disturbed children and for the disabled of all ages under legislation signed by Governor Dick Thornburgh.

The legislation will result in the allocation of more than \$32 million to the Medical Center for construction of new facilities.

"As a land grant institution, Penn State has long had a commitment to the citizens of the Commonwealth," said President Oswald, who accompanied Gov. Thornburgh at last week's bill-signing ceremonies at the Medical Center. "We are pleased to once again join the leadership of the state in expanding our Hershey Medical Center to better serve the needs of the disabled and children with psychiatric illnesses."

Gov. Thornburgh noted that "State government has a responsibility to take the necessary steps to ensure that rehabilitation, therapy, and medical services are continually strengthened to best address the needs of all Pennsylvanians. The construction of new facilities at the Hershey Medical Center will help maintain and expand quality medical services for those children who most need them."

Dr. Oswald said the legislation will fund construction of a 150-bed addition to the hospital for rehabilitation treatment for disabled patients of all ages. It also will fund construction of a new 15-bed pediatric, in-patient psychiatry unit. In addition, he said, it will put into effect the transfer of activity from the Elizabethtown Hospital for Children and Youth to the Hershey Medical Center.

In July, the State asked Penn State to assume management of the Elizabethtown facility, previously managed by the State Department of Health. Elizabethtown Hospital currently provides rehabilitation, physical therapy and surgical services to children ages 18 and under with severe neuromuscular and skeletal problems caused by birth defects, illness or trauma.

Scheduled for completion in 1987, the new facility at the Hershey Medical Center will replace the existing Elizabethtown Hospital and will also offer rehabilitation services to adult patients.

The legislation — H.B. 2304 — was sponsored by Rep. Kenneth E. Brandt (R., Lancaster). It calls for the allocation of \$29.6 million in state funds for the 150-bed

facility on the Medical Center grounds for disabled patients of all ages. This would include patients currently being treated by the Elizabethtown Hospital.

The legislation also calls for the allocation of \$2.66 million in state funds for the 15-bed child psychiatry unit. Both the child psychiatry unit and the rehabilitation unit are scheduled for completion in 1987.



Applauding Gov. Thornburgh's signing of legislation that will enable the Hershey Medical Center to expand its services are, from left, Robert C. Wilburn, secretary of Budget and

Administration, Dr. Harry Pryor, dean of the College of Medicine; President Oswald, and Rep. Kenneth E. Brandt (R., Lancaster).

University proposes Advanced Technology Center

The University will learn in February if its proposal to the state's Ben Franklin Partnership Program for funding a major new effort to create jobs in central and northern Pennsylvania is successful.

President Oswald told a news conference last week that the request is for funding to create an Advanced Technology Center (ATC) for Central/Northern Pennsylvania, to be based at the University but supported by a consortium including higher education, industry, business, banking, government and economic development groups.

The proposal was submitted to the Ben Franklin Partnership Challenge Grant

Program for Technological Innovation, created earlier this year by Governor Dick Thornburgh as part of his Ben Franklin Partnership, which enlists the cooperative efforts of higher education, business and industry in advanced technology enterprises.

"We fully endorse the objectives of the Ben Franklin program, the concept of an Advanced Technology Center and the outputs expected of such a center," Dr. Oswald said.

"Under the proposal," he added, "higher education, industry and economic development agencies will work cooperatively on advanced technology

industrial development as a source of new jobs in Pennsylvania. These groups are the keys to moving new concepts and inventions to the marketplace to the benefit of the public."

Through the Challenge Grant Program, the state has made available \$1 million in seed money to help coalitions of higher education, business and industry support existing high technology and attract new firms to the state. Grants of up to \$250,000 are being offered on a 50/50 matching fund basis.

Dr. Richard G. Cunningham, vice president for research and graduate studies, said proposals for the grants must

be submitted by a university but must also be supported by representatives of business and industry. The Penn State proposal was accompanied by 51 statements of support from colleges and universities, county development authorities, chambers of commerce and individual companies in the area to be served by the proposed ATC. Twenty-nine of those statements were from other institutions of higher education.

"We have strong support from groups in Harrisburg, York, Erie and elsewhere," Dr. Oswald said. "Penn State and those working with us in this venture see the

(Continued on page 3)



Astronaut Guion Bluford accepts the College of Engineering Outstanding Alumnus Award from Dean Wilbur L. Meier Jr.

College of Engineering honors astronaut alumnus

Astronaut Guion S. Bluford Jr. is the 1982 recipient of the College of Engineering Outstanding Alumnus Award.

At a surprise presentation following his keynote address at the Second Air Force-Engineering Symposium last week in Eisenhower Auditorium, the 1964 Penn State alumnus received that award from Dr. Wilbur L. Meier Jr., dean of the College of Engineering. The dean said the award is the most prestigious honor the College of Engineering bestows. It is sponsored by the Penn State Engineering Society, the College's Alumni body.

"Col. Bluford, you are a true inspiration to all Penn State students, alumni and faculty members, and particularly to those in the College of Engineering," Dean Meier said.

"You have brought great pride to all Penn State for your engineering accomplishments as an astronaut, as an officer in the U.S. Air Force and as a scholar whose Ph.D. is in aerospace engineering."

Lt. Col. Bluford said he was pleased and honored to receive the award. "I hope by the first of January, we'll be No. 1 in football," he added.

Prior to receiving the award, Dr. Bluford talked about the National Aeronautics and Space Administration Space Shuttle Program, using slides to illustrate the various capabilities of the shuttle.

The Air Force-Engineering Symposium, the second of its kind, was sponsored by the College of Engineering and Air Force

(Continued on page 3)

Obituaries

Dr. Henry L. Guttenplan, professor of law enforcement and corrections, died Wednesday, Dec. 8. He was 64.

Dr. Guttenplan was a member of the New York City Police Department for more than 20 years before joining the University faculty in 1967, and had served as commanding officer of the Department's Scientific Research Office. He was widely known for his leadership in the application of scientific knowledge and techniques to problems of law enforcement and corrections.

Dr. Guttenplan was educated at the City College of New York (a bachelor's degree in 1940), the City University of New York (a master's degree in 1959) and New York University (a doctor of public administration degree in 1965).

He joined the New York City Police Department in 1945 as a patrolman, rose through the ranks and was named inspector and commanding officer of the Scientific Research Department in 1966. In the Research Department, he oversaw operation of the Police Laboratory, Bomb Section, Ballistics Section and Research Unit. He and his subordinates were responsible for processing and handling various types of evidence discovered at

crime scenes or submitted for analysis.

At the University, Dr. Guttenplan taught courses in many areas of law enforcement, as well as scientific criminal investigation and police problems and practices. In 1968, he organized and directed the First National Institute on Police Laboratories at Penn State.

Dr. Frank M. Swartz, research professor emeritus of paleontology, died Dec. 2 in Tucson, Ariz. He was 83.

Dr. Swartz, who retired in 1964 after 39 years service, received a B.A. in chemistry and a Ph.D. in geology from the Johns Hopkins University.

Prior to joining the University faculty, he was an instructor in geography at the University of North Carolina. From 1954 to 1961, he was head of the Department of Geography at Penn State.

In 1958, Dr. Swartz served as national president of the Paleontological Society, which he earlier served as treasurer and vice president. He was a Fellow of the Geological Society of America and an associate member of the Society of Economic Paleontologists and Mineralogists.

Partings

Linda D. Brungart, information processing clerk, Pattee Library, from March 25, 1969, to Dec. 7.

Dr. Cheung-King Chan, associate professor of biology at Altona Campus, from Dec. 15, 1967, to Dec. 1.

Kathryn W. Golab, bookstore manager at Mont Alto Campus, from Sept. 1, 1963, to Dec. 1.

Viola VanHorne, secretary at New Kensington, from Aug. 18, 1965, to Dec. 1.

Funding Source

(382-1) The Navy-ASEE Summer Faculty Research Program for 1983 has a Feb. 1, 1983, application deadline date. This program provides a ten-week summer research appointment at one of ten Navy Research and Development Centers. The year's program will be expanded to 100 participants. Follow-on sponsorship of research at the home institution is a likely outcome. A Secret clearance is obtained (mostly for area access) and can be obtained through this office (863-0715). For program application material, call (202-745-3616) or (202-293-7080). (Ref. USN-ASEE announcement) (File 1330-5).

Louise R. Hudson, college health nurse at Shenango Valley, from Jan. 4, 1971, to Dec. 1.

Dorothy G. Craig, secretary in the College of Earth and Mineral Sciences, from July 16, 1957, to Dec. 31, 1958, and from March 1, 1967, to Nov. 1.

Judith A. Dockery, secretary at Wilkes-Barre Campus, from Dec. 1, 1968, to Nov. 1.

William K. Reed, administrative assistant in the College of Education, from Aug. 1, 1970, to Oct. 1.

For further information, call 865-1375

Carpooler

Anna Kline would like a ride, preferably with a female driver, from Bellefonte to the University. She works from 6:30 a.m. to 3:30 p.m. at the Maintenance Bldg. and can be reached at either 355-0336 or 865-1486.

News in Brief

Four University Continuing Education programs have won special awards for quality, innovation and contributions to adult education from the National University Continuing Education Association.

Programs selected for first place awards were "Legal Aspects of Domestic Relations," a new 30-credit certificate program offered by the Delaware County Campus; "Hand Guns: The Law, Safety and Shooting," a non-credit program offered by the Fayette Campus to inform hand gun owners of legal limitations of owning and using lethal weapons, and "Profiles from the Past," a non-credit program offered at the Behrend College to provide more knowledge of antiques and collectibles to those who encounter them in their daily business.

Honorable mention was won by a non-credit program entitled "You Are There: International Security Decisions," offered by the McKeesport Campus.

Faculty and staff are reminded that the White Golf Shop in Recreation Bldg. is open Tuesday through Saturday from 8 a.m. to 4 p.m. through Dec. 22. Season memberships for 1983 are available. Visit the shop or phone 865-6231 for further information.

Revised guidelines for faculty research fellowships from the Institute for the Arts and Humanistic Studies have been distributed. Faculty are urged to apply for the fellowships through their departments in time for their department heads to forward

applications by the Jan. 24, 1983, deadline. The new guidelines reflect the change to a semester calendar.

The University Park Airport has been cited by the Aviation Council of Pennsylvania for "outstanding general aviation customer service."

An "Award of Merit" for general efficiency of operation and concern for customer welfare was accepted by Richard H. Brown, director of fleet and airport services, on behalf of Ralph E. Zilly, vice president for business.

The University's Speech and Hearing Clinic has been awarded accreditation of its speech-language pathology and audiology services by a national accrediting board.

"Fewer than 300 of the nation's 2,500 clinics and centers have been accredited to provide speech, language and hearing services, so we feel proud," said Debra R. Suffolk,

coordinator of the clinic. The accreditation, by the Professional Services Board, American Speech-Language-Hearing Association, will be in effect for five years.

The 11th annual Interfraternity Council Dance Marathon will be held on Feb. 4, 5, and 6 in the north gym of the White Building at University Park. The marathon theme is "Give the kids a chance . . . DANCE!"

For the seventh consecutive year proceeds will benefit The Four Diamonds Fund at the Hershey Medical Center. The Fund provides relief of heavy financial burdens for families of children treated for cancer at the Center and supplies up-to-date equipment, services and research.

The marathon raised \$74,524.85 for the Fund last year. This year's goal is \$100,000.

Campuses hold faculty workshops on writing

A new program of workshops designed to instruct faculty members in the most promising developments in the teaching of writing began Winter Term.

The Cross-Curricular Writing Workshops for Commonwealth Campus Faculty, an out-growth of the Penn State Rhineland Project, will be held at Beaver, DuBois and Shenango Valley campuses. Assistant professors of English John Tamplin (Shenango Valley Campus), Lloyd Worley (DuBois Campus), and

Martin Quinn (Beaver Campus) will lead the workshops.

The goals of the workshops are to share current techniques in the teaching of writing to begin with, and to encourage and sustain the development of writing skills among students, to help faculty use writing more effectively in their courses, and to increase the quantity of student writing.

John T. Harwood, associate professor of English and coordinator of the workshops,

says the project will help faculty members use more writing in their courses. They will be able to show students that writing is a way to learn, he says.

The workshops will be intensive introductions to the teaching of writing that can be applied by faculty in disciplines other than English. Six faculty members from each of the three campuses explore critical aspects of the writing process, writing across the curriculum, and writing in specific content areas.

After the Winter Term workshop, workshop leaders will meet formally at least twice with teachers in other disciplines. Informal meetings will be held when needed. Seminar participants will be selected by campus directors and department heads from faculty who have already expressed serious concern about or interest in their students' writing.

To monitor the success of the workshops, detailed questionnaires and evaluation forms will be given to faculty and students during Winter and Spring terms.

Conference examines Australian energy resources

High-level U.S. and Australian officials met with scholars at University Park last week in a conference to discuss the future of an energy-supplier is still bright.

"There are features of the Australian scene, such as industrial stoppages, labor costs and other factors, which are not ideal, but all things considered, there's still considerable optimism about Australia's energy resources in the face of a world-wide economic downturn," says Dr. Henry S. Albinski, professor of political science and an Australian studies expert.

The three-day conference was the first of its kind to be held at University Park since an Australian Studies Center — the only one in the United States — was established earlier this year. The Center was made possible by contributions from American and Australian industries and corporate foundations and by a grant from the Australian government. Dr. Albinski is its director.

Sixty persons attended the conference, including Sir Robert Cotton, Australian ambassador to the United States; Robert Brand, deputy assistant secretary of state, Bureau of Asian and Pacific Affairs; Richard Brinowski, executive director of the Japan Secretariat, Australian Department of Foreign Affairs; Paul

Keating, Australian Labor Party spokesman; and Dr. Susan Bambrick, senior lecturer in economics at the Australian National University and Fulbright Scholar in residence at Penn State.

"The value of the conference," Dr. Bambrick said, "was that it was a relatively small conference of senior people involved in Australian energy resource development and in the Australian-American economic relationship. Because it was a small conference, it enabled a degree of discussion and interchange of ideas that does not occur in large public conferences."

"In isolated instances, there were some differences between American and

Australian perceptions of Australian attitudes, but there was a remarkable degree of mutual understanding."

Dr. Albinski said the presence of Mr. Keating, opposition party leader in the Australian government, was invaluable. In his remarks during the conference, Mr. Keating provided reassurance to the private sector that his party supports Australian energy development.

The Center at Penn State, Dr. Albinski said, is an attempt to expand understanding of Australia and to enhance the Australian-American relationship through symposia, research projects, publications and other contributions, with an emphasis on study of public policy issues.

Advanced Technology Center proposed

(Continued from page 1)

Ben Franklin concept as a much needed and well executed approach to improving employment opportunities in the Commonwealth."

The Ben Franklin program specifies that the funding is to be used in three ways: for cooperative research and development among universities, business and industry; to support existing advanced technology firms and help the state attract new ones; and for scientific and technological training to provide a highly skilled workforce.

Dr. Cunningham said 25 University staff members developed the proposal which outlines specific approaches in all three areas but concentrates most heavily on cooperative research and development efforts. More than two-thirds of the funding in the initial years would support research and development projects.

In its proposal, the University outlined four areas in which its cooperative research projects with industry would be concentrated. They were determined largely on the basis of faculty expertise,

available facilities and funding, and potential for industrial application.

The four areas are:

- Electronic materials and devices. This would include research in technologies related to microelectronics, optoelectronics, solar cells and solid state transducers.

- Expanding Pennsylvania's greenhouse industry involvement in the production of year-round food crops. This would include work in such areas as greenhouse energy consumption, introduction of new crops and improving plant productivity.

- Applications of advanced technology to Pennsylvania coals. This would include research to permit increased use of high-sulfur coals and on coal gasification and liquefaction.

- Industrial application of biotechnology, through which genetic material or DNA of one group of organisms can be transferred to another group. Penn State already has a major information-sharing project with industry

- the Cooperative Program in Recombinant DNA Technology — in this area.

"All of these fields hold great potential for creating new companies and new jobs," Dr. Oswald said.

In addition to those four areas of research, the proposal submitted by Penn State outlines a plan to support existing advanced technology firms and attract new ones. It includes establishing "information contact points" around the state to make firms aware of the services offered to them through the ATC.

Dr. Oswald noted that PENNTAP, the Pennsylvania Technical Assistance Program at Penn State, would be a resource for industry both through the ATC proposed by Penn State and through other ATCs in the state. Established in 1965, PENNTAP is jointly sponsored by the State Department of Commerce and Penn State. It offers technical assistance on specific problems to Pennsylvania business and industry.

Education programs in the sciences and technology would be expanded and tailored to the needs of advanced technology firms, under the Penn State proposal.

Dr. Oswald said the ATC would lead to the creation of new jobs in many ways, but he cited, as one example, the "spinoff effect," in which new products and new companies would grow out of cooperative research projects.

"Within the next year," he said, "Minitab — a project that began at Penn State — will organize as a private company, marketing statistical computer software to some 600 U.S. and foreign users."

"Minitab is precisely the sort of venture the Ben Franklin concept is designed to encourage. The company will spin off from a University research project, and create jobs and income for the state."

The ATC proposed by Penn State would receive guidance from a 12-member advisory committee.

Members named to date are: Arnold Addison, mayor of State College, representing the viewpoint of local government; Jeffrey Bower of Bellefonte, chairman of the Centre County Commissioners, representing county government; Gerald S. Flaherty of York, plant manager of Caterpillar tractor, representing the advanced technology industry of Harrisburg/York area; Philip Freed of State College, director of communications and personnel research at HRB-Singer, representing the advanced technology industry, Centre Region; David Lee of State College, president of Peoples National Bank, representing banking; Nicholas Pelick of Bellefonte, president of Supelco, Inc., representing the advanced technology industry, Centre Region.

James A. Ream of Harrisburg, president of the Pennsylvania Association of Colleges and Universities, representing higher education; Dolores Taricani of State College, chairman of council, College Township, representing township government; Eric A. Walker of State College, president emeritus of Penn State and retired vice president for science and technology of the Aluminum Company of America, representing science and engineering policy; and Justice Roy Wilkins Jr. of State College, retired Pennsylvania Supreme Court justice, representing the legal and judicial point of view.

Two additional members of the advisory committee, to represent labor groups and the advanced technology industry in Erie, are expected to be named soon.

Dr. Oswald said three other consortia in the state were known to be preparing proposals for ATC funding. They are based in Pittsburgh, Philadelphia and the Lehigh Valley.

The Ben Franklin Partnership is administered through the Pennsylvania Science and Engineering Foundation of the State Department of Commerce.

Wilkes-Barre Campus to get new multi-purpose building

Governor Thornburgh has signed legislation that will result in the allocation of \$3.46 million for construction of a multi-purpose building at the Wilkes-Barre Campus. The building will house a gymnasium, auditorium and study facilities.

President Oswald noted that the monies for the Wilkes-Barre project had been appropriated last year for possible conversion of certain campuses to the use of coal for heat.

"When this turned out to be impossible," he said, "the money was aggregated and was sufficient to be used for the highest priority project

one of Penn State's campuses. The multi-purpose building at Wilkes-Barre was the one selected."

"This facility addresses a very critical problem the Wilkes-Barre Campus has had for some time, and will provide another dimension in our educational programs," Dr. James H. Ryan, Campus director, said.

"This is a realization of the efforts of many — both area legislators and community leaders — who have seen the need for this facility as an essential part of the Wilkes-Barre Campus development."

College honors astronaut

(Continued from page 1)

Reserve Officers' Training Corps. While at Penn State, Dr. Bluford toured research and instructional facilities in the Departments of Aerospace, Electrical and Mechanical Engineering.

He also met with University administrators, faculty members and students to discuss Air Force Engineering needs and opportunities. He visited with student leaders representing minority and religious groups, the College of Engineering and Air Force ROTC.

"It's good to be back," Dr. Bluford told the Eisenhower Auditorium audience of Penn State students, faculty members, staff and others. "I remember how tough it was to stay up all night studying when I was a student here. I know you're all eager for me to talk so you can get back and study."

Dr. Bluford said he was surprised by how much the University Park Campus had changed since his last visit in 1972.

"It's a lot bigger today. I almost needed a map when I arrived. When I was here in 1972, they were just starting to build East State. I thought that was out in the woods. Today the campus has expanded to East Halls," he said.

Dr. Bluford, who enrolled in the Air Force ROTC program at Penn State and received his commission as a second lieutenant in the Air Force, earned his pilot's wings in 1965. He was then assigned to Vietnam, where he flew 144 combat missions, including 65 over North Vietnam.

A native of West Philadelphia, he is a 1960 graduate of Quakerbrook High School. He earned his doctorate in aerospace engineering, with a minor in physics, from the Air Force Institute of Technology in 1978. He received his master's degree

in aerospace engineering from the same institution in 1974.

In 1977, when a call for astronauts went out, Dr. Bluford decided to apply. He said the role would give him the opportunity to work in a field he was already interested in.

"Before becoming an astronaut candidate in 1978, Dr. Bluford was assigned to the Air Force Flight Dynamics Laboratory at Wright-Patterson Air Force Base, Ohio, as a staff development engineer."

He has written and presented several scientific papers in the area of computational fluid dynamics and in 1979 received the National Society of Black Engineers' Distinguished National Science Award. He also holds numerous military distinctions and has been named to "Who's Who Among Black Americans."

At a press conference following his keynote address, he talked about his Penn State experiences.

"My experience at Penn State was helpful to me," he said. "I found it a very challenging experience, which gave me a lot of muscle and grit. It's carried through a lot of my career. My involvement with Christian organizations, the Air Force ROTC, faculty and students was a leading factor in my career decision."

This was Dr. Bluford's last public-speaking trip before he makes his first space flight on Challenger next June. He will be a mission specialist on the three-day flight, which will make the first night launching and landing. The crew will release two satellites and do experiments in electrophoresis, he said. The flight will include a lot of firsts for Dr. Bluford. He will be the first black astronaut to fly aboard the space shuttle.

"I recognize how special the experience is. It will be significant from a historical



Lt. Col. Guion Bluford, who will be the first black astronaut to fly in space next June, talks with Black Caucus student members at the Paul Robeson Cultural Center on the University Park Campus.

point of view. I'm opening the door for other minorities to fly in space," he said.

"The space shuttle is the Cadillac of spacecraft," he added. "Riding in space is starting to be a very routine affair."

He said there are currently 78 astronauts in the program, including four blacks and eight women. Half are mission specialists and half are from test pilot programs. Five shuttle missions are planned for 1983, he told his audience. He anticipates 10 to 15 missions a year in the future after all four space shuttles are in operation. Challenger, Discoverer and Atlantis are scheduled to be built and added to the program.

There are some spacecraft limitations at the moment. Shuttles can carry no more than 165,000 pounds into orbit; can fly

only up to 150 to 200 nautical miles above the Earth; and can stay in orbit only one-and-a-half to two weeks.

"I'm looking forward to the zero-G experience in space," Dr. Bluford said. "I'm also looking forward to the view from space. I've been told it can't be captured on film."

Dr. Bluford is one of two Penn State graduates now serving as astronauts. The other is Paul J. Weitz, a 1954 aeronautical (now aerospace) engineering graduate who is scheduled to be commander of the first flight of the space shuttle orbiter Challenger in January, 1983. Mr. Weitz also was the pilot on the first manned Skylab II mission in 1973.

— Deborah A. Benedetti

Focus on the arts

Museum purchase

The choice was broad, voter turnout was good and when the ballots were counted, the winner was New York artist Simon Dinnerstein.

More specifically, it was not artist Dinnerstein, but his large three-part painting, or triptych, entitled "Woman with Child, Table and Landscape, and Man Sitting."

The painting has been purchased for the permanent collection of the Museum of Art at University Park where it is on view through Dec. 22. It was selected and paid for by the Friends of the Museum, a group that contributes regularly to the Museum's art holdings.

The Friends make major buying decisions at an annual Purchase Party at which members are invited to vote for the work of art that they would like to add to the Museum's permanent collection. At this year's party, held Nov. 17 in the Museum, the majority of the 130 votes cast went to the Dinnerstein work.

The large, richly colored painting depicts the artist, his wife and small child,

viewed during Winter Term at the HUB Assembly Hall.

Seven films will be shown as part of the Cinematheque Film Series under the direction of the film faculty of the Department of Theatre and Film. The rarely seen classic and contemporary films are made under different rules than films made in the West.

One critic has said Japanese films use the unities of mood, time, rhythm and resonance, rather than plot, time, place and character. The films are noted for their delicate beauty and visual elegance, and the directors are noted as painters of light.

The Winter Term schedule of films is:

- *Double Suicide*, Dec. 17 and 18, 7 and 9:30 p.m. It is about the affair between a young man and a prostitute. Directed by Masahiro Shinoda (1969).

- *The Key*, Jan. 7 and 8, 7 and 9 p.m. Ichikawa's psychological exploration of sexual perversity has been linked to the bravura style of Alain Resnais in its bold use of editing and wide screen composition (1959).



"Woman with Child, Table and Landscape, and Man Sitting" by Simon Dinnerstein.

and his work table set in front of windows opening onto a village and landscape. The painting has a diaristic quality, referring to the artist's intellectual, creative, and domestic life. It recalls the style of German Renaissance art in its linearity, graphic precision, and meticulous rendering of human and still-life forms, as well as use of the triptych format.

Dinnerstein began to paint the panels while on a Fulbright fellowship in Germany in 1971. He completed them in 1974 at his New York home.

The triptych is the second Dinnerstein work in the Penn State collection. Earlier the Museum acquired a 1970 engraving entitled "Angela's Garden" and, in fact, the copper plate from which this print was made is depicted in the triptych. It is seen resting on the work table of the center panel.

Simon Dinnerstein was born in 1943 in Brooklyn, N.Y., and currently teaches at New York Community College. His most recent one-man exhibit was held in 1981 at the New York School for Social Research in New York City.

"We at the Museum are pleased to add this painting to our collection," Museum director William Hull said of the Dinnerstein purchase. "We greatly appreciate the continuing support of the Friends of the Museum and consider ourselves extremely fortunate to have such a committed group associated with us."

The Friends of the Museum currently is conducting its annual membership campaign. Information about the group may be obtained at the Museum or from the Office of Gifts and Endowments, 23 Willard Bldg., University Park, PA.

Japanese film series

The exquisite art of Japanese film directors Ozu, Shinoda, Kobayashi, Mizoguchi, Oshima, Kurosawa and Ichikawa can be

The concert is free and open to the public.

The Penn State Chorus, directed by Claire Hemmenway, will perform Benjamin Britten's *A Ceremony of Carols* with harpist Nan Gullu Mann. This work is one of the 20th century masterpieces for women's chorus. Featured soloists will be soprano Karen Hafke, Tsui-Er Jan, Jane Balia, Tammy Walker and Sharon Vincent, and alto Beth Holzapfel.

Selections by the Keynotes and the Hi-Lo's, select groups from the larger choruses, will follow.

The Penn State Glee Club, directed by Bruce Trinkle, will perform a Late-Renaissance work for double chorus, Jacob Handl's *O Magnum Mysterium* as well as other seasonal pieces. Accompanying the Glee Club during Vincent Persichetti's *Song of Peace* will be pianist Brian Robison.

The Brass Chorus, directed by Robert Howard, will perform two Christmas medleys with the Glee Club to close the concert.

Organ recital

The School of Music will present organist Barbara Harbach-George in recital at 8:30 p.m. Friday, Jan. 7, in the Music Bldg. recital hall.

This will be the last in a series of three Alumni Organ Recitals offered this year. The recital is free and open to the public.

Ms. Harbach-George is a former student of June Miller of the School of Music faculty and graduated with a bachelor of arts in music from the University. She did graduate work at the Yale School and received a doctor of musical arts degree from the Eastman School in May, 1982.

Ms. Harbach-George currently is on the faculty of Nazareth College, Rochester, N.Y.

Marionette troupe

The internationally-acclaimed French marionette troupe, the Compagnie Philippe Genty, will perform in Schwab Auditorium at 8:30 p.m. Friday, Jan. 7. After a four-year world tour which won him major awards, Philippe Genty formed his own company in Paris in 1967. Since then the company has played in many parts of the world, but has retained a European base.

Audiences of all ages throughout the world have been charmed by the zany animal creatures, the personalities of the irresistible "human" characters, and the sheer magic of the movement and constant inventiveness. "Every movement must count," says Genty. "Because it is by means of movement that the marionettes express themselves."

The company makes sophisticated use of music parodying familiar classical and contemporary tunes in the comic and satirical numbers and in setting the mood with especially composed electronic music.

Genty's art surpasses all the usual techniques of puppetry to achieve a unique blend of poetry, humor, and sensitive psychological insight. He calls his art the "Theatre of Animation" — puppets "coming to life, suggesting images and rousing the imagination."

Tickets will go on sale beginning Tuesday, Jan. 4, at the Eisenhower Auditorium box office from 9 a.m. to 4 p.m. weekdays.

Poetry reading

Steve Dunn, a poet from New Jersey, will read his poetry at 3:45 p.m. Jan. 11 in the Rare Books Room of Pattee Library.

The Institute for the Arts and Humanistic Studies with the assistance of the Pennsylvania Council on the Arts has invited him to be a visiting poet.

Drama classes set

Two six-week classes in creative drama for children will be offered by the Department of Theatre and Film beginning Monday, Jan. 10.

The first class for children who are in morning kindergarten will be held from 2:30 to 3:15 p.m. every Monday and Wednesday. The second class for children

who are in fifth and sixth grades will be held every Monday and Wednesday from 3:45 to 4:45 p.m. Classes will be held in the Pavilion Theatre.

The classes are a part of the training program for creative drama leaders, who are largely students in education, recreation, parks, and theatre. The course will emphasize creative activities, development of the imagination and exploration of the senses.

Parents may enroll their children by calling the Department of Theatre and Film, 865-5786. The course will be taught by Dr. Helen Manfull, co-ordinator of children's theatre and creative drama for the Department of Theatre and Film, and by students of Theatre 410.

Alard to give concert

The Alard Quartet will present its third concert of the season at 8:30 p.m. Wednesday, Jan. 12, in the Music Bldg. recital hall. The program, sponsored by the School of Music, will include works by Verdi, Puccini, Thompson, and Brahms.

The concert is free and open to the public.

Joining the Quartet for Virgil Thompson's *Stabat Mater* (1933) will be soprano Jographia Pappas. Ms. Pappas holds degrees from the Juilliard School and has performed widely as a recitalist and soloist with symphony orchestras. She has served on the Pennsylvania Council on the Arts and the Advisory Committee for the Kennedy Center.

Ms. Pappas is currently a doctoral candidate in curriculum and instruction at the University.

Violist Rebecca McKee and cellist Walter Evanowicz will join the Alard for Brahms' *String Sextet in B-flat Major*, op. 18, composed in 1860.

Ms. McKee received her master of music degree from the University in August, 1982. She is program director of the State College Talent Education Association. Mr. Evanowicz is a graduate assistant in cell in the School of Music.

Art museum exhibits

Beginning Jan. 16, the Museum of Art will present two new exhibits: "Chinese Jade Carvings from the Collection of Dr. and Mrs. Harold L. Tonkin," and "Jerome Witkin - Paintings and Drawings - A Decade of Work."

A selection of rare objects from a private collection, the exhibit of Chinese jade carvings ranges from vessels, bowls, ritual objects, Buddha and Taoist figures, to chimeras, animals and birds.

The exhibit will be on view through March 13.

Paintings and drawings by contemporary American artist Jerome Witkin will fill two galleries at the Museum.

His work includes large, disturbing paintings that focus on violent or traumatic scenes such as the triptych "Death as an Usher: Germany, 1933."

In connection with the exhibit, Witkin will give a gallery talk at the Museum of Art at 10:30 a.m. Jan. 18.

The Museum of Art is open Tuesday through Sunday from 11 a.m. to 4:30 p.m. Admission is free and guided tours are given every Sunday at 1:30 p.m. The museum will be closed from Dec. 23 to Jan. 3 for the Christmas holidays.

Recital rescheduled

The lecture-recital "Nineteenth-Century German Art Song" by bass Joel Westa, originally scheduled for 8:30 p.m. Friday, Dec. 17, has been rescheduled for 1 p.m. Thursday, Jan. 20, in the Music Bldg. recital hall.

Mr. Westa is a candidate for the master of music degree. The lecture-recital, sponsored by the School of Music, is free and open to the public.

Mr. Westa will discuss and perform examples of art songs by Brahms, Schubert, Schumann and Wolf. He will be accompanied by pianist Timothy Shurey.

Kwanzaa celebration

The Paul Robeson Cultural Center is observing Kwanzaa — an African American celebration of significant values — through Saturday, Dec. 18.

Kwanzaa is a uniquely African American celebration, symbolic of the "first fruits" celebrations of Africa. Besides being fun, it also strengthens consciousness and solidarity and focuses on social and spiritual matters.

Dr. Maulana Ron Karenga, the creator and founder of Kwanzaa, will be the guest speaker at 7 p.m. Friday, Dec. 17, at the Robeson Center.

Kwanzaa will take place each day through Dec. 18. For specific times and events contact the Paul Robeson Cultural Center at 865-3776 or 865-1779.

Christmas concert

The School of Music will present the annual Christmas Concert featuring the Penn State Glee Club, Penn State Chorus, and Penn State Brass Chorus at 3 p.m. Sunday, Dec. 19, in Schwab Auditorium.

University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

December 16 — January 13 Special Events

Thursday, Dec. 16

Holiday Festival Noontime Entertainment, Phi Mu Alpha Brass Ensemble, 11:30 a.m., Kern Lobby; *Bread and Chocolate*, 8:30 p.m., HUB Ballroom.

Selling Seminar dinner meeting, 6 p.m., Gilpin Room, Nittany Lion Inn. Discussion at 7:15 p.m. a. Hamid Madjid, physics, on "Evolution and the Creative Action of God."

Kern Classics, *Journey to the Center of the Earth*, 7 and 9 p.m., 112 Kern.
Percussion Ensemble concert, 8:30 p.m., Recital Hall.

Friday, Dec. 17

Holiday Festival, International Crafts Demonstration, 11:30 a.m., Kern Lobby; German Dinner, 6 p.m., Maple Room; Dramatization and speech, Dr. Maulana Ron Karenga, on "KWANZAA—An African American Holiday," 7:30 p.m., Paul Robeson Cultural Center; International Coffeehouse, 8 p.m., 102 Kern.

Geography Dept. Coffee Hour, 3:45 p.m., 319 Walker. Robert Schmalz, geology, on "Aesthetics and Natural Selection."
Cinematheque, *Double Suicide*, 7 and 9:30 p.m., HUB Assembly Room. Also Dec. 18.
GSA Coffeehouse, 8 p.m., 102 Kern.

Saturday, Dec. 18

Holiday Festival IX, Children's Christmas Party, 1 p.m., Paul Robeson Cultural Center.
France-Cinema, Makavejev, *Montenegro*, 7 and 9 p.m., 112 Kern. Also Dec. 20.

Sunday, Dec. 19

Holiday Festival IX, Glee Club concert, 3 p.m., Schwab.

Tuesday, Dec. 21

Pass-fail. Also Jan. 3 and 4.
Sports: women's basketball vs. Ohio State, 7:30 p.m.

Thursday, Dec. 23

University offices closed for holiday break through Jan. 2.

Monday, Jan. 3

Winter Term classes resume.

Tuesday, Jan. 4

Drop deadline.
Preregistration deadline for Spring 1983.
Sports: men's basketball vs. George Washington, 8:10 p.m.

Wednesday, Jan. 5

Noontime Entertainment, Dan Johnson, Kern Lobby.
Women Artists Film Series, *Georgia O'Keeffe*, Part I, 12:15 p.m., Zoller Gallery.
Sports: women's basketball vs. Fairfield, 7:30 p.m.

Friday, Jan. 7

Cinematheque, *The Key*, 7 and 9 p.m., HUB Assembly Room. Also Jan. 8.
Sports: wrestling vs. Iowa State, 8 p.m.
Barbara Harbach-George, organ recital, 8:30 p.m., Recital Hall.
GSA Coffeehouse, 8 p.m., 102 Kern.
Artists Series, Compagnie Philippe Genty, 8:30 p.m., Schwab.

Saturday, Jan. 8

Sports: women's fencing vs. Fairleigh Dickinson and St. Peter's, 9 a.m.; men's basketball vs. St. Bonaventure, 1:30 p.m.; women's basketball vs. Connecticut, 7:30 p.m.
Artist Series, Disney Saturday, *Swiss Family Robinson*, 10:30 a.m. and 2 p.m., Schwab.
France-Cinema, Goretta, *The Lacemaker*, 7 and 9 p.m., 112 Kern. Also Jan. 10.

Monday, Jan. 10

Sports: men's fencing vs. Notre Dame, 7 p.m.
Comp. Lit Luncheon, 12:15 p.m., 101 Kern.
John Balaban, English, on "Vietnamese Pleasures in Formal Poetry."

Tuesday, Jan. 11

Poetry reading by Steven Dunn, 3:30 p.m., Rare Books Room, Pattee.
Artist Series film, *All About Ere*, with Bette Davis, 8 p.m., Schwab.
Sports: women's gymnastics vs. New Hampshire, 8 p.m.

Wednesday, Jan. 12

Noontime Entertainment, Stan Shepherd, Kern Lobby.
Women Artists Film Series, *Georgia O'Keeffe*, Part II, 12:15 p.m., Zoller Gallery.
English Colloquium, 8 p.m., 101 Kern. Joseph Price, English, on "Were It Not That I Have Bad Dreams: The Soliloquies of Shakespeare's Tragic Protagonists."
Alard String Quartet concert, 8:30 p.m. Music Bldg. Recital Hall.

Thursday, Jan. 13

Sports: men's basketball vs. West Virginia, 8:10 p.m.

Seminars

Thursday, Dec. 16

Chemistry, 12:45 p.m., 55 Osmond. Paul L. Houston, Cornell Univ., on "State-Selected Photodissociation."

Anthropology, 3 p.m., 107 Carpenter. George Armelagos, Univ. of Mass., on "Diet and Disease in Prehistory."

Physical Education, 3 p.m., Assembly Room, Nittany Lion Inn. Peter Cavanagh, biomechanics, on "Research on Human Locomotion in the Biomechanics Laboratory."

Physics, 3:55 p.m., 445 Davey. Paul S. Ho, IBM, on "Electronic Structures and Formation of Schottky Barriers at the Silicon-Silicide Interfaces."

Philosophy, 4 p.m., 317 Willard. Alphonso F. Lingis, philosophy, on "Septuku."

Friday, Dec. 17

Analytical Chemistry, 10 a.m., 55 Osmond. Eric



These HUB Craft Centre items are examples of some of the gifts available for holiday giving. Denise Arieau made the pottery bowl and mugs, Pam Fenner wove the scarf and Janet Engle made the leather bag.

White on "Electron Energy Loss Spectrometry."

Tuesday, Dec. 21

Materials Science, 4 p.m., 112 Walker. C. Rhoads on "Studies of Low Temperature Coal Oxidation by FTIR"; J. Kelso on "Ion Scattering Spectroscopy of Multi-Component Glass Surfaces."

Tuesday, Jan. 4

Organic/Inorganic, 12:45 p.m., 55 Osmond.
Materials Science, 4 p.m., 112 Walker. M. Rao on "Isotopic Reactions to Characterize Carbon Active Sites"; A. Alam on "Coke Reactivity—Its Influence on Reactor Performance."

Thursday, Jan. 6

Chemistry, 12:45 p.m., 55 Osmond. Yvonne C. Martin, Abbott Laboratories, on "Computer-Assisted Design of New Pharmaceuticals."

Friday, Jan. 7

Analytical Chemistry, 10 a.m., 55 Osmond. Erik Whalen-Pedersen on "Pattern Recognition Study of Genotoxicity of Polycyclic Aromatic Compounds."

Tuesday, Jan. 11

Organic/Inorganic, 12:45 p.m., 55 Osmond.

Thursday, Jan. 13

Chemistry, 12:45 p.m., 55 Osmond. Rick L. Danheiser, M.I.T., on "Annulation Approaches to Carbocyclic Compounds."
Aesthetics, Criticism and Interpretation Theory Group, 3:45 p.m., 221 Chambers. Pat Ward, French, on "The Functions of the Literary Preface."

Physics, 3:55 p.m., 55 Osmond. A.R.W. McKellar, National Research Council, on "Laser Magnetic Resonance Spectra of the CH_3 Radical."

Exhibits

Chambers Gallery

Gallery Hours: Monday through Friday, 8 a.m.-10 p.m., Saturday and Sunday, 10 a.m.-6 p.m.

Art Education Graduate Student Group Show, opens Jan. 7.

Kern Gallery

Rosalban Morean, paintings and drawings, through Dec. 21.

Cheryl McNeish, paintings, opens Jan. 4.

Ken Hull, pen and ink drawings, opens Jan. 5.

Museum of Art

Museum Hours: 11 a.m.-4:30 p.m. Closed Mondays, Tours, Sundays, 1:30 p.m.
A Decade of Collecting: A Survey of the Museum's Collection, through Dec. 22.
Selections from the Museum's Collection, through Jan. 9.
Chinese Jade Carvings from the Collection of Dr. and Mrs. Harold L. Tonkin, opens Jan. 16.

Pattee Library

Lending Services: Robert Neffson, drawings, through Dec. 24. Dave Teplica, photos, opens Jan. 4.

East Corridor Gallery: Robert Neffson, paintings, through Dec. 24. Renee Jacobs, photos, opens Jan. 4.

Front Lobby: Ecuadorian Crafts, through Dec. 24.

Visual Arts Bldg., Zoller Gallery

Gallery Hours: Monday through Friday, 9 a.m.-5 p.m. Saturday and Sunday, 1:15 p.m. Closed weekends through Christmas holidays.

MFA Student Group Exhibition, through Jan. 3.
Harry Nadler: Paintings and Drawings, opens Jan. 6.

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William E. Campbell, Jr., Editor
Deborah A. Benedetti, Assistant Editor
Calendar Editor—865-2501



These Arkansas quilted shadow box pictures are available for Christmas giving at the Museum of Art gift store.

Appointments

Dr. Lois Snader has been named a regional coordinator for the Extended Undergraduate Nursing Program in the Department of Nursing, College of Human Development. She will be based in the program's Southcentral Region and will supervise the academic activities of Penn State's Extended Undergraduate Nursing Program in that area.

Dr. Snader holds a diploma from the Reading Hospital School of Nursing and a bachelor of science degree from Elizabethtown College. She earned master of education and doctor of education degrees in higher education from Penn State.

Prior to her appointment, Dr. Snader served on the faculty of Bloomsburg State College. Before that, she was a faculty member at York College of Pennsylvania.

Leon B. Hoshover as assistant professor of accounting at University Park. B.S., M.B.A., Shippensburg State College; Ph.D., Michigan State U. Graduate assistant, accounting and financial administration, Michigan State U.-East Lansing.

Herbert G. Hunt III as assistant professor of accounting at University Park. B.S., M.B.A., U. of Vermont; D.B.A., U. of Colorado. Lecturer, accounting, U. of Colorado-Denver.

James A. Miles as assistant professor of finance at University Park. B.S., Juniata College; M.A., West Virginia U.; Ph.D., P.S.U. Assistant professor, finance, U. of Georgia-Athens.

Lee T. Perry as assistant professor of organizational behavior at University Park. B.S., M.S., Brigham Young U.; Ph.D., Yale U. Visiting assistant professor, organizational behavior, Purdue U.

Udo H. Staber as assistant professor of organizational behavior at University Park. B.A., Lakehead U.; M.A., Rutgers U.; Ph.D., Cornell U. Lecturer, organizational behavior, Cornell U.

Stanley P. Stephenson Jr. as senior research associate and professor of business administration at University Park. B.A., Ball State U.; M.A., Ph.D., Indiana U. Associate professor, P.S.U.

Evelyn A. Thomchick as assistant professor of business logistics at University Park. B.S., P.S.U.; M.S., Ph.D., Clemson U. Engineer, Bethlehem Steel Corporation, Homer Research Labs.

Steven L. Wartick as assistant professor of business administration at University Park. B.B.A., M.P.A., U. of Missouri-Kansas City; Ph.D., U. of Washington. Assistant professor, Kelle School of Business and Economics, Pittsburg State U. (Kansas).

Promotions

Faculty

Edward J. Ottensmeyer to assistant professor of management in Business Administration.

Ronald R. Rubenfield to assistant professor of business in Business Administration at Beaver.

Guatam Vora to assistant professor of finance in Business Administration.

Staff Exempt

H. William Craver, III to senior physical therapist at Hershey.

Jeanne R. Ferree to bookstore manager at Mont Alto.

Robert L. Passow to utility systems engineer in Physical Plant.

Sherry Sharum to assistant to the dean in Human Development.

Judith Smith to patient unit coordinator A at Hershey.

Staff Non-Exempt

Pamela S. Hollobaugh to senior data extraction specialist in Agriculture.

Judith Weiant to licensed practical nurse/nurses at Hershey.

Donna L. Weikel to coordinator, pharmacy inventory at Hershey.

Clerical

Angela Cox to secretary C at New Kensington.

Melissa K. Gummo to clerk records A in Graduate School.

Dawn L. Harter to secretary B in Agriculture.

Kathryn J. Martin to clerk, payroll at Hershey.

Karen A. McCrea to secretary C in Engineering.
Judy A. Pressler to secretary B in Science.
Katherine L. Silver to accounting clerk in Commonwealth Educational Systems.
Helen S. Yashinsky to clerk, payroll at Hershey.
Joan E. Zana to secretary B at New Kensington.

Technical Service

David Brouse to maintenance worker utility in Physical Plant.

William R. Conway to dining hall worker A in Housing and Food Services.

Robert Thomas Gracey to athletic equipment and facilities worker at Ogonitz.

Kathryn L. Green to central processing aide at Hershey.

Michael A. Harpster to dining hall worker A in Housing and Food Services.

Esther J. Keith to helper, general in Business Services.

L. Catherine Lucas to senior milk testing machine operator in Agriculture.

Timothy M. McCartney to machine operator-bakery in Housing and Food Services.

John S. Morris to community service officer at Behrend.

Elizabeth Jane Wyda to maintenance worker general B at Wilkes-Barre.

Carpooler

Nadine Ross needs a ride from the Route 45 area between Centre Hall and Boalsburg. She works in the HUB from 8 a.m. to 5 p.m., Mondays through Fridays, and can be reached at either 865-2000 or 364-1334 (after 5:30 p.m.).

Penn Staters

Dr. Paul T. Baker, Evan Pugh professor and head of anthropology, received the Huxley Memorial Medal, the highest award of the Royal Anthropological Institute, London, England, and delivered the Huxley Memorial Lecture on "Adaptive Limits of Human Populations." While in England, he presented a lecture on "Modernization and Degenerative Diseases — A Samoan Example" at Oxford University.

Dr. Eugenio Battisti, Evan Pugh professor of art history, presented a paper on the interrelationships between the theatre, art and music in the eighteenth century at the international congress "Roma e il Teatro nel '700" in Rome. Dr. Hellmut Hager, professor and head of art history, presented a paper on the interrelationships between permanent and ephemeral architecture at the congress, sponsored by the Istituto della Enciclopedia Italiana, the Istituto di Studi Romani, the Societa Italiana di Studi sul Secolo XVIII, Teatro di Roma, and Università degli Studi di Roma.

Dr. Richard C. Bradt, professor of ceramic science and engineering and head of the Department of Materials Science and Engineering, spent a month in China at the invitation of the Chinese Society of Astronautics to lecture on fracture ceramics and refractories. He visited four cities — Beijing, Luoyang, Changsha, and Shanghai — and spoke at the following institutes: Beijing Research Institute of Building Materials, Central Iron and Steel Research Institute, Luoyang Institute of Refractories Research, Central South China Institute of Mining and Metallurgy, Shanghai Institute of Ceramics, and Changsha Institute of Technology.

Dr. Ann C. Crouter, assistant professor of human development, and **Dr. James Garbarino**, associate professor of human development, are the winners of a \$5,000 prize in the 1982 Mitchell Prize competition for their paper entitled "Corporate Self-Reliance and the Sustainable Society."

Dr. Lawrence M. Demers, professor of pathology at Hershey, presented a lecture entitled "Prostaglandins and Thromboxane in Hemostasis" at the Royal College of Obstetrics and Gynecology in London as part of an international symposium on dysfunctional uterine bleeding.

Dr. Diana R. Dunn, dean of the College of Health, Physical Education and Recreation, has been inducted into the American Academy for Parks and Recreation Administration, an organization for distinguished practitioners and scholars in that field.

Provost Eddy has been re-elected for a three-year term to the Board of Trustees of Saint Vincent's College. He also was re-elected for an eighth consecutive three-year term to the Board of Directors of the Pittsburgh Symphony Society.

Dr. Friedrich G. Helfferich, professor of chemical engineering, is editor-in-chief of a new international journal, *Reactive Polymers, Ion Exchangers, Sorbents*, published by Elsevier Scientific Publishing Company.

Dr. Henry J. Hermanowicz, dean of the College of Education, has been named Outstanding Higher Education Administrator of 1982 by the Pennsylvania Personnel and Guidance Association.

Dr. Edwin L. Herr, professor of education and head of the Division of

Counseling and Educational Psychology, has received an "Award of Pride" from the Pennsylvania Personnel and Guidance Association for his national leadership and being named president-elect of the American Personnel and Guidance Association.

Dr. Charles L. Hosler, dean of the College of Earth and Mineral Sciences, presented a briefing to the White House Office of Science and Technology Policy on research areas in the atmospheric sciences most likely to return the highest dividends from additional federal investment. The briefing and a written version of it to be published later were prepared by a panel convened by Dr. Hosler last summer at the request of the National Academy of Science's Committee on Science, Engineering and Public Policy (COSEPP).

Howard F. Kingsbury, associate professor of architectural engineering, has been selected by the National Bureau of Standards, U.S. Department of Commerce, as a technical expert for assessing and evaluating testing laboratories.

Kenneth Knott, assistant professor of industrial engineering, presented the keynote address on "State-of-the-Art in Work Measurement" at the Third International MOST Conference in Washington, D.C.

Dr. W. Lamar Kopp, associate provost for international programs, director of foreign studies and professor of German, has been elected to a four-year term on the board of directors of the Council on International Educational Exchange.

An exhibition of paintings by **Richard Mayhew**, professor of art, entitled "Landscapes of Time and Space," is

on display through Dec. 24 at the Midtown Galleries, New York City.

Dr. E. Willard Miller, professor of geography and associate dean of resident instruction, emeritus, in the College of Earth and Mineral Sciences, received the 1982 Meritorious Service Award of the Pennsylvania Geographical Society.

Dr. Murry R. Nelson, associate professor of education, has received the "Outstanding Research Award for 1982" from the Rural Education Association. Dr. Nelson also was named president of the College and University Faculty Assembly of the 14,000-member national Council for the Social Studies.

Dr. M. Albert Vannice, professor of chemical engineering, gave an invited seminar on "Support Effects in Nickel and Platinum CO Hydrogenation Catalysts" at the Pen-Pacific Syntfuels Conference, Symposium on Syntfuels Conversion, in Japan. He also gave invited seminars at the China-Japan-U.S. Tripartite Symposium on Catalysis in China and at the International Colloquium on SMSI in France.

Dr. Willem Van Vliet, assistant professor of man-environment relations, presented an invited address, "Vandalism: An Assessment and Future Directions," at the International Colloquium on Vandalism at the University of Paris, France.

Dr. Sam Y. Zamrik, professor of engineering science and mechanics, has been named chairperson of the Design and Analysis Operating Committee of the American Society of Mechanical Engineers (ASME).

Bookshelf

William A. Damerst, professor of English, is the author of *Clear Technical Reports*, Second Edition, a 325-page textbook published by HJB Media Systems Corp., a subsidiary of Harcourt Brace Jovanovich, Inc.

The book, a major revision of the first edition, shows that the modern meaning of "technical" is actually "specialized," because the scientific method is now used in nearly all fields. It further shows that writers and speakers should frequently aim for a larger-than-primary audience because many different specialists must communicate with one another.

Prof. Damerst has structured the book differently than other authors in the field have. At the same time that he covers the procedures for adapting to audiences, he analyzes the other basic principles and techniques of practical communication.

Part 2 of the text applies the principles and techniques presented in Part 1. Included are new strategies and illustrations in the chapters on letters, memos, reports and job applications. The chapter on articles includes oral communication. The last section is a handbook designed to help writers and speakers avoid common errors in grammar, diction and mechanics.

Two faculty members in the College of Health, Physical Education and Recreation are co-authors of an updated version of their textbook on programming theory and techniques in recreation.

The second edition of *The Process of Recreation Programming* by Dr. Patricia Farrell, associate professor and head of Recreation and Parks, and Dr. Herbert M. Lundgren, associate dean for research and graduate studies, is published by John Wiley and Sons, Inc., New York.

New features of the 296-page volume include a section on program cost analysis, refined coverage of statistics and expanded discussion on the tools and techniques of programming.

All chapters, the authors say, are designed to enhance understanding of procedures for the formulation, conduct and evaluation of recreational programs at the professional level.

Dr. Carol F. Kessler, assistant professor of English and American studies at the Delaware County Campus, is the author of *Elizabeth Stuart Phelps*, published by G.K. Hall, and Company, Boston, Mass.

Dr. Kessler examines the relationship between Phelps' life and her published works, with an emphasis on the psychological outlets her writing provided for herself. The book covers Phelps' novels, short stories, and essays, as well as her popular Gales series, and offers an insider's view of protestant socialization in late nineteenth-century America, a time when women's behavior was expected to reflect the moral edicts of men.

Phelps (1844-1911) is considered by many to be the first American novelist to write of urban and industrial blight and was one of the most popular women writers from the post-Civil War period to the turn of the century. Her works also depicted and decried the barriers denying women personal and professional fulfillment.

The Department of Labor Studies has published a book which explores the impact of new technology and changing corporate structure on workers and unions in a variety of industries in the United States and how labor is responding to these changes. The book, *Labor and Technology: Union Response to Changing Environments*, contains case studies of retail food, telecommunications, office work, autos, printing, and the metal trades.

The articles were first presented as papers at a conference held at the University Park Campus in November, 1981. The essays, which were prepared by union and labor researchers, focus on the technologies which are being put into place in American industry and their importance in terms of the loss of jobs, deskilling of tasks, income loss for employees, as well as their impact of employer control of the labor force, productivity, and efficiency.

The essays suggest that new technology is inevitable but that when the design and implementation of technological change is jointly determined by labor and management productivity and efficiency are improved significantly.

Dr. Hubert C. Smith, assistant professor of aerospace engineering, is the author of *Performance Flight Testing*, a 133-page handbook published by Tab Books, Inc.

The handbook is based on Dr. Smith's textbook of last year, *Introduction to Aircraft Flight Test Engineering*, published by Aviation Maintenance Publishers, Inc., of Basin, Wyoming.

In the handbook, intended for light plane owners, pilots and owners of

homebuilt planes, Dr. Smith presents simple procedures for performance testing. He explains that performance testing is advantageous even for owners of commercially-produced aircraft because "no two planes are 100 percent alike." "Each machine has its own flying characteristics, even brand new models," Dr. Smith observes. "By the time an aircraft has been flown a few thousand hours, seals loosen and stress shows in minor flaws that mean little by themselves, but that can mean a decrease in performance."

A pilot since 1952, Dr. Smith holds a commercial certificate, instrument rating, and flight and ground instructor certificates.

The Unexpected Show. Biographical Approaches to G.B.S. and His Work is Dr. Stanley Weintraub's 35th book.

Published by Frederick Ungar Publishing Co., New York, it reveals the Bernard Shaw behind the public image of the man. Dr. Weintraub talks about Shaw as an amateur boxer, actor, novelist and art critic.

Shaw, the author of "Saint Joan" and "Man and Superman," was a complex and paradoxical man. Dr. Weintraub says. Shaw was an Irish patriot who mocked his countrymen; a self-proclaimed miser who assisted friends under an oath of secrecy; a playwright who wanted

commercial as well as artistic success, yet persuaded theater managers to end a profitable run of his play to allow plays by less commercial colleagues to be presented.

Dr. Weintraub shows in his book that Shaw often found inspiration for his plays in obscure sources. The book also is a collection of Dr. Weintraub's writing on Shaw, covering more than 25 years. He has extensively revised and updated his earlier writings for this book.

Dr. M. Lee Uppcraft, director of residential life programs, is principal author, with the collaboration of Guy T. Pilato, of *Residence Hall Assistants in College, A Guide to Selection, Training and Supervision*, published by Jossey-Bass Inc. (San Francisco).

The text is intended for use by residence hall staff in selecting, training, and supervising resident assistants, and contains the necessary theories, models, and techniques to do so.

Dr. Uppcraft also is the principal author, with the collaboration of Guy T. Pilato and Dan J. Peterman, of *Learning to Be a Resident Assistant, A Manual for Effective Participation in the Training Program*, published by Jossey-Bass Inc.

The manual is intended for use by prospective resident assistants as they are trained in the interpersonal and leadership skills necessary to do their job.

From Penn State Press

Descartes' philosophy of science. Desmond M. Clarke. 249 pages. \$17.95

The author has read and examined the writings of Descartes ("Meditations" and "Discourse") as a practicing scientist.

His study of Descartes' scientific work and correspondence with other 17th century scientists explores some key issues: Descartes' use of experience and reason in science, the metaphysical foundation of Cartesian science, the Cartesian concept of explanation and proof, and an empiricist interpretation of the "Regulae" and "Discourse."

Dr. Clarke, a lecturer in philosophy at University College, Cork, argues that labels such as "empiricism" and "rationalism" are useless for understanding Descartes because he is a believer in Aristotle. Descartes believed reflection on ordinary experience was the primary source of scientific hypotheses.

Modern Wrestling — A Primer for Wrestlers, Parents, and Fans. Benjamin W. Nibel and Douglas A. Nibel. 132 pages. \$7.95 (paper), \$12.95 (cloth).

Benjamin W. Nibel, professor emeritus of industrial engineering at Penn State, and his son have written a book about scholastic and collegiate wrestling aimed at wrestlers, parents and spectators.

The book focuses on the rules and regulations of the sport, the principal holds and mechanical advantage, weight control and training, psychological preparation, officiating matches, and how fans can enjoy the sport.

There are many photographs and illustrations to help beginners understand the various holds, scoring methods and muscle training exercises involved. The book also provides a brief history of the sport and discusses modern wrestlers.

Staff Development

Twenty-five clerical employees of the University completed the Clerical-Enrichment Program this fall. Participating were:

Theresa Bertram, secretary C, University Library; Deborah Breen, secretary C, Business Administration; Brenda Dalecki, clerk, typist B, Human Development; Joyce Diehl, secretary C, Liberal Arts; Carol Duda, secretary C, Continuing Education; Sandra Freeman, clerk, typist B, Continuing Education; Deb Gearhart, coder B, Admissions.

Tina Goodyear, clerk, typist B, Business Administration; Helen Harpster, clerk, receptionist A, Education; Renee Harpster, secretary C, Continuing Education; Sonja Hedgepeth, information processing clerk, University Library; Susan Johnson, clerk, curriculum material, Education; Lou Ann Lambert, clerk, typist B, Personnel Administration.

Ingrid Lee, secretary B, Liberal Arts; Carrie Leitrell, clerk, typist B, Agriculture; Colleen Malloy, receptionist, clerk B, Physical Plant; Melanie McCusick, clerk B, Personnel Administration; Loretta Muckinsky, clerk, typist B, Agriculture; Florence Reark, clerk, information processing A, University Library.

Betsy Smeltzer, clerk, typist A, Agriculture; Kim Streck, secretary C,

Admissions; Florabelle Thomas, clerk, typist B, Intercollegiate Research Programs; Grace Turner, clerk, interlibrary loans A, University Library; Doris Walters, secretary, Admissions.

Twenty employees are recent graduates of the Oral Communications/Talking With People Course. Completing the course were:

Wendy Bathgate, secretary B, Business Administration; John Booth, programmer/analyst B, Management Engineering; Dixie Burris, records supervisor, DHIA, Agriculture; Chet DeFurio, estimator - inspector, Physical Plant; Kim Evancho, personnel assistant, Agriculture; Magdalene Foster, assistant dining hall supervisor, Housing and Food Services.

Sally Hilgar, assistant housekeeping supervisor, Housing and Food Services; Lynne Hines, project documentation specialist, Management Services; Tom Hundley, senior systems analyst — technical support, Management Services; Stan Kotulka, senior benefits specialist, Personnel Administration; Donna Krach, accounting clerk, Continuing Education.

Richard Olsen, senior systems analyst — program office, Management Services; Fred Ott, senior engineering aide, Applied Research Lab; Jean Rose, secretary B,

Business Administration; Marsha Shively, staff assistant, Agriculture; Patti Snyder, secretary B, Engineering; Edna Spearly, administrative aide; Liberal Arts; Brenda Taylor, programmer, Agriculture; Diane Wawrejko, secretary B, Admissions; Marie Wike, assistant housekeeping supervisor, Housing and Food Services.

The following employees have completed a course in Basic Supervisory Management:

Kathy Bailey, accounting clerk, Science; Jean Burfield, secretary B, Science; Julia Carley, publications assistant, Continuing Education; Wanda Decker, secretary A, Agriculture; Terry Flannery, conference secretary, Continuing Education; Bonnie Henninger, clerk, typist A, Science; Roseann Layton, assistant director of undergraduate admissions, Admissions.

Michael J. Leonard, supervisor of operations, Undergraduate Studies; Suzanne Maethorn, clerk A, Continuing Education; Donna Nicely, secretary A, Engineering; Gloria Penman, assistant to head, operations, Continuing Education; Connie Putnam, head clerk (service desk), Physical Plant; Diane Roan, secretary B, Liberal Arts.

Barbara Ruff, technical secretary B, Applied Research Lab; Linda Schreck, senior clerk, University Libraries; Debbie Snyder, secretary B, Liberal Arts; Nancy Taylor, secretary A, Applied Research

Lab; Joyce Wilusz, secretary C, Human Development.

Ten employees participated in a Report Writing Course coordinated through the Office of Personnel Administration. Completing the course were:

Terry Cori, service advisor, Business Services; Dennis Craig, programmer/analyst A, Management Engineering; Allan Derzak, coordinator, personnel systems, research and parking, Personnel Administration; Vivien R. Griffith, clerk, Agriculture; Marvin Hughes, closed circuit TV systems specialist, Physical Plant.

Robert Keller, programmer/analyst A, Management Engineering; Richard Kipp, visuals producer/editor, Agriculture; Ted Kopp, accountant, University Libraries; Tom Steinmeyer, senior applications programmer/analyst, Planning and Budget; Ron Strickler, estimator/inspector, Physical Plant.

Fourteen employees have completed a course in Basic Supervisory Management. They are:

Thelma Brodzina, John Heckman, Roy Heckman, Barbara Homan, Guy Houser, Jack Klee, Ruth Luse, Debbie Oberle, Richard Olsen, Dave Patterson, Tony Redub, Jim Scaltz, Henry Shade and Linda Thornton.

University signs agreement with Hospital Council

The Hospital Council of Central Pennsylvania (HCCP) has signed an agreement with the University designed to expand the use of telecommunication technology in bringing health information and health education courses and programs to institutional members of the Council.

William N. Graff, HCCP president, said, "This agreement is designed to explore and develop alternatives to providing education for health care professionals while at the same time reducing the traditional costs of their continuing education."

Mr. Graff said that the agreement would formalize the commitment of both the Hospital Council and the University to maximize the use of video-telecommunications technology as one means of meeting the diverse educational needs of health care professionals.

Under the agreement, the University will share its existing continuing health education programs with the Hospital Council and will assist HCCP members in

expanding production of video-based materials. Various distribution systems will be used to send the programs to HCCP members, including the Pennsylvania Educational Communications System, PENNARAMA, and the Pennsylvania Hospital Television Network.

The University will assist in the development of a channel on the Pennsylvania Educational Communications System (PECS), along with the possibility of providing origination facilities for distribution of materials to hospitals through dedicated channels.

Dr. Robert J. Scannell, vice president and dean of the Commonwealth Educational System, said the Hospital Council and Penn State also will explore future technology in this field and will work together to develop grant proposals and other financial support to fund new initiatives.

The goal of the HCCP is to provide its member institutions with savings,

and improved management operations. Educational telecommunication is one of several services the Hospital Council provides in

meeting its organizational goals. Thirty-eight institutions located in the central counties of the state are members of the Hospital Council.



Dr. Robert J. Scannell, vice president and dean of the Commonwealth Educational System, signs an agreement with the Hospital Council of Central Pennsylvania under the watchful eyes of Sister Emilene Herter, chairman of the board of directors of the Hospital Council, and William N. Graff, Council president.

Applications, nominations due for Summer Session director

Faculty and staff members are reminded that applications or nominations for the position of director of the new Summer Session must be received no later than Wednesday, Dec. 22.

Applications for the position or nominations of candidates should be sent to: Search Committee, Summer Session Director, 304 Old Main, University Park, PA 16802.

Following is a description of the responsibilities of the Summer Session director and of the qualifications for the position:

The Summer Session director will be the academic administrator responsible for the overall direction and success of the Summer Session. The director will report to the provost and will work closely with academic deans and department heads in coordinating their efforts to deliver an academically sound and cost-effective summer program.

The director will identify program offerings to capitalize on the strengths of Penn State and will work with the faculty

to develop innovative and attractive summer programs. The director will coordinate and implement marketing and promotional activities to reach a varied clientele. The Summer Session director will become part of a complex environment in which consultation, communication and the ability to reach concurrence will be critically important.

It is essential that the Summer Session director have strong academic background; a solid base of experience in administration in an academic setting, and a broad knowledge of The Pennsylvania State University. The candidate also must present evidence of effective leadership and communication skills.

It would be desirable for the Summer Session director to have an earned doctorate or another appropriate terminal degree. Among the other desired qualifications is experience in budget planning, academic or administrative experience in a successful summer session and/or experience in marketing and promotional activities.

Conversion Council sees need for grievance procedure plan

The Calendar Conversion Council has endorsed in principle the need for a grievance mechanism to hear student academic concerns during the transition to a semester calendar.

Establishment of a grievance procedure had been suggested by Jane E. McCormick, assistant to the vice president for student affairs, who proposed establishment of an Academic Transition Grievance Board.

An alternate proposal, presented at Council's Dec. 10 meeting, would establish a standing committee of the Calendar Conversion Council to serve in a fact-finding way as an appeal mechanism.

The committee would become involved in a student grievance only after full review had occurred within the college, including the recommendation of the dean. If the committee's review disagreed with the dean's recommendation and the dean was not persuaded by the

committee's report, the case would be forwarded to the provost.

Committee membership would not be restricted to members of the Calendar Council and would include five to seven members, plus at least three alternates. It would consider only those issues resulting from transition to the semester calendar.

The Calendar Transition Grievance Committee would be established in February, 1983, and continue through September, 1984.

Dr. James B. Bartoo, Council chairman, said details of the proposal would be developed and presented at the group's next meeting.

In other business, Council heard status reports on graduate assistant working conditions, the Summer Session Advisory Implementation Committee, and the Search Committee for a Summer Session Director.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1357 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Dec. 21, 1982. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (FES-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

● **Development Assistant, Office of Gifts and Endowments, University Park** — Responsible to the vice president for development for a variety of coordinating and administrative duties related to development activities, fund raising and donor relations. Serve as liaison between the Penn State Fund Council and Trustees and vice president for development in various fund raising programs. Coordinate administrator fund raising projects involving various functional divisions of the Office of Gifts and Endowments. Plan and arrange meetings with donor prospects; provide supporting background material. Associate degree or equivalent with a business administration or related emphasis plus two to three years of effective experience involving general office administrative duties and/or external relations. Prior experience in development alumni relations/fund raising preferred.

● **Supervisor, Central Processing, College of Medicine, Hershey** — Responsible to the manager, Central Processing, for the supervision and assignment of duties to the central processing group leader, senior instrument processing aides, and central processing aides working the evening shift. Coordinate work flow between day and evening shifts and evening and night shifts. High school graduate or equivalency plus two to three years of effective experience. Knowledge of sterile procedures is desirable.

● **Classification Analyst, Office of Personnel Administration, University Park** — Responsible to the manager for assisting in various administrative duties related to the University's wage and salary classification plans. Gather information for review of existing positions or the classification and evaluation of new positions. Write job descriptions based on the compiled data. Assist in conducting research, surveys and compiling data for a wide variety of special projects and reports. Bachelor's degree or equivalent, preferably in personnel administration or industrial engineering, plus a minimum of one to two years of effective administrative experience preferably in job evaluation and classification activity.

● **Data Base Programmer/Analyst, Management Services, University Park** — Provide data base support services to personnel responsible for development and modification of data base systems. Bachelor's degree or equivalent in computer science plus one to two years of effective experience in systems programming or applications programming for data base systems. THIS IS A FIXED TERM POSITION FUNDED TO JUNE 30, 1983. PROBABLE RENEWAL JULY 1983 THROUGH JUNE 1984.

● **Assistant Director, Physical Plant Planning and Design, Office of Physical Plant, University Park** — Responsible to the director, Physical Plant Planning and Design for the overall management and administration of the Planning and Design Division within the Office of Physical Plant. Directly supervise middle management, engineering and architectural personnel who are responsible for day-to-day planning, developing, implementing, and administering of planning and design responsibilities. Bachelor's degree or equivalent in an engineering architectural discipline plus four to seven years of effective engineering and/or architectural management experience at levels requiring administrative supervision and decision making. Formal business

administration/management education or experience is desirable.

● **Administrative Assistant for Academic Services, DuBois Campus** — Responsible to the associate director for academic affairs for the administrative functions of scheduling, record maintenance and security, registration for both Resident Instruction and Continuing Education, and supervising clerical support personnel in these areas of operation. Bachelor's degree or equivalent plus one to two years effective experience, or master's degree or equivalent and one year effective experience in administrative areas of student records, registration, and scheduling, office supervision and management, and a basic knowledge of electronic data processing.

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Alumni Association executive director elected

Dr. William J. Rothwell of the University of New Hampshire has been elected executive director of the Alumni Association by its Executive Board, effective mid-March, 1983.

He succeeds Ross B. Lehman, executive director for the past 11 years, who will retire this spring.

Dr. Rothwell has been executive director of the Alumni Association at New Hampshire for the past five years. Before that, he taught at the University of North Dakota and the University of Wisconsin.

"We are pleased to welcome Dr. Rothwell to the Penn State family,"

President Oswald said, in announcing the appointment. "His extensive experience in alumni and educational affairs will be extremely beneficial to him in his role as head of the University's 60,000 member Alumni Association."

Richard A. Zimmerman, president of Hershey Foods Corporation and president of the Penn State Alumni Association, joined Dr. Oswald in welcoming Dr. Rothwell to his new position.

"Dr. Rothwell's election as executive director follows an extensive national

search for a person with the experience and leadership qualities necessary for a post as important as this," he said. "We are extremely satisfied with the selection of Dr. Rothwell."

At New Hampshire, Dr. Rothwell has directed and administered a national network of alumni clubs; overseen publication of "The Alumnus," the alumni magazine; developed a sophisticated management information system for alumni records; given frequent speeches; and worked with trustees, faculty and staff members and alumni to coordinate programs of special interest to alumni.

He holds a Ph.D. degree in the administration of higher education and administration of physical education from The Ohio State University. In addition, he has a master's degree in administration of physical education and intercollegiate athletics from Ohio State and two bachelor's degrees, one in history and one in physical education, from the University of New Hampshire.

Dr. Rothwell is a member of the

(Continued on page 13)



William J. Rothwell

Richard Swails is appointed corporate relations director

Dr. Richard G. Swails, director of the Career Development and Placement Center, has been appointed to the newly created position of director of corporate relations, effective Feb. 1.

"In his new position, Dr. Swails will be responsible for establishing and implementing a comprehensive plan to coordinate all University contacts with corporations that affect fund raising programs and contributions to Penn State and its divisions," says Joseph J. Mansfield, vice president for development.

"This position is essential," he says, "to the increase in corporate support necessary to sustain Penn State's excellent progress. Last year, corporate support to Penn State exceeded \$6.5 million — an increase of 61 percent over fiscal year 1981."

(Continued on page 13)



Richard G. Swails

Bioengineering program holds artificial heart open house

Artificial hearts developed by University engineers and physicians at the Milton S. Hershey Medical Center will be featured during an open house today at the University Park Campus.

The open house is sponsored by the College of Engineering's Bioengineering Program, which has been involved in developing Penn State's artificial heart since 1971. It will run from 3 p.m. to 7 p.m.

Penn State external heart machines — essentially artificial hearts situated outside the human body — have sustained the circulations of heart

patients for periods ranging up to 25 days at the Hershey Medical Center.

During the open house, tours will begin and end in the Kunkle Activities Center on the corner of College Avenue and Allen Street. The tours will include a demonstration of pneumatic and motor-driven artificial hearts.

Refreshments also will be served in the Kunkle Activities Center and Bioengineering Program students will be on hand to answer questions and conduct the tours.

Judge issues injunction in residence halls case

A federal judge has issued a preliminary injunction that orders the University not to prohibit a Penn State student from conducting solicitations and sales of commercial products to groups in his dormitory room.

Judge Malcolm Muir of the U.S. District Court for the Middle District of Pennsylvania issued the injunction in favor of Kevin Graves, one of eight plaintiffs in the case.

Judge Muir limited his action to Mr. Graves on the basis that he is the only one of the plaintiffs currently living in a University residence hall. The other plaintiffs are American Future Systems, Inc., a Philadelphia-based cookware company, and six current or former Penn State students.

At issue is a University policy that regulates the group demonstration and sales of commercial goods and services in Penn State residence halls. The plaintiffs have charged that the policy violates their Constitutional rights.

American Futures, which sells china,

tableware, crystal and cookware, first brought its suit against Penn State in 1978. The company charged that University officials had violated its First Amendment rights by restricting group sales demonstrations in residence halls.

"Presently before the Court," Judge Muir wrote in his decision, "is the motion of the Plaintiffs for a preliminary injunction . . . requesting that the Defendants be enjoined from enforcing the Dormitory Solicitation Regulation with respect to commercial activities within individual students' dormitory rooms."

It is "not appropriate at this time," he added, "for the Court to determine if the Plaintiffs are correct" in their complaint against the University.

"At this juncture, it is only proper for the Court to determine whether or not Plaintiffs have satisfied the requirements for the issuance of a preliminary injunction granting the relief sought in the complaint." In the case of Kevin Graves, the Court decided, those requirements had been satisfied.



Photo: Scott Johnson

Penn State cheerleaders and thousands of enthusiastic fans salute the national champion Nittany Lions at a victory rally on the Old Main lawn. The football team will be honored by a parade, sponsored by the "Back the Lions" organization, at 10 a.m. Saturday, Jan. 15. A luncheon, sponsored by the State College Area Chamber of Commerce and the Lion Country Visitors and Convention Bureau, will be held at the Penn State Sheraton Inn immediately following the parade.



Gordon W. Rawlins, assistant dean of the University Libraries, and Carol E. Chamberlain, senior assistant librarian, with books headed for Africa.

Libraries send books to Africa

The University Libraries are sending more than 300 books and other surplus duplicate materials to the library of Marien Nguouabi University in the Republic of Congo-Brazzaville. Some of the books were contributed by the American Association of University Women.

"Marien Nguouabi University, with approximately 5,000 students in Brazzaville, has a critical need for books and library resources of all kinds," Stuart Forth, dean of University Libraries, said. "We would like to help other Third World libraries, but our resources are not that extensive, so we selected this one."

"We're sending reference materials, books and

academic journals in the physical and social sciences, mathematics and humanities, selected by Carol E. Chamberlain, senior assistant librarian and others in the Bibliographic Resources Department."

Marien Nguouabi's need for library materials was discerned by Provost Eddy on a trip to several African universities last year.

The materials contributed by Penn State will be sent to the Department of State in Washington D.C. From there, the shipment will go to the U.S. Embassy in Brazzaville. Embassy officials will present the materials to Marien Nguouabi University.

Martin Luther King banquet set

The Rev. Dr. Kenneth L. "Snuffy" Smith will be guest speaker at the fifth annual Martin Luther King Memorial Banquet Sunday, Jan. 16, at the Penn State Sheraton.

Dr. Smith was the late Dr. King's ethics professor at Crozer Theological Seminary. Currently he is the Mrs. John Price Crozer professor of applied theology at Colgate Rochester Divinity School/Bexley Hall/Crozer Theological Seminary.

Dr. Smith, an ordained Baptist minister, holds a Ph.D. in theology and ethics from Duke University.

The banquet, sponsored by the Penn State Forum on Black Affairs, will begin with a cash bar at 6:45 p.m. and dinner at 7:30. Larry Young, director of the Paul Robeson

Cultural Center, will serve as master of ceremonies.

President Oswald will present awards to winners of an essay contest on "Dr. Martin Luther King: Man of Peace." The contest was open to seventh and eighth graders in the State College Area School District.

Dr. and Mrs. Robert Howard, new faculty members in the School of Music at the University, will present musical selections. Dr. James Steward, president of the Forum on Black Affairs, will present a special award during the event.

Tickets for the banquet, \$15 per person, may be obtained from any member of the Forum on Black Affairs or by calling Cynthia King at 865-5471 by Friday, Jan. 14.

Promotions

Faculty

Gayle Yaverbaum to assistant professor of computer applications at Capitol.

Staff Exempt

Jeffrey A. Doeblert to project associate in Science.

Francis E. Fisher to assistant athletic director for public affairs and development in Health, Physical Education and Recreation.

Robert H. Hamull to manager of personnel and business services at Capitol.

Staff Non-Exempt

Cheryl L. Cano to research technician at Hershey.

Mary R. DeJoseph to research technician at Hershey.

Linda M. Pugliese to senior nuclear medicine technologist at Hershey.

Milagros Stefoniak to licensed practical nurse/meds at Hershey.

Patricia M. Walner to licensed practical nurse/meds at Hershey.

Marieann Winters to licensed practical nurse/meds at Hershey.

Clerical

Joy W. Duncan to secretary B at Fayette.

Susan Eberly to secretary B in Liberal Arts.

Kathryn A. Mihalek to senior medical transcriptionist at Hershey.

Rachel E. Murgas to secretary B in Engineering.

Judith A. Shank to secretary B at Capitol.

Bonita V. Weidner to secretary C in Housing and Food Services.

Technical Service

Barbara E. Anderson to storeroom clerk-selector in Business Services.

Scott A. Dreibeis to dining hall worker A in Housing and Food Services.

Stephanie A. Flynn to baker-utility in Housing and Food Services.

Carpooler

Cindy Kane wants to share the driving from Flemington or Lock Haven to the University. She works at the Computation Center Monday through Friday (also some weekends) from 8 a.m. to 4:30 p.m. She can be reached at either (717) 748-4548 or 863-0422.

University seeking faculty candidates for director post

The Office of the Vice President for Research and Graduate Studies is seeking faculty candidates for the position of director of the Office for Protection of Human Subjects.

The position is for half-time for 12 months on a rotating basis, with a minimum of a one-year appointment to a maximum of three years, subject to negotiations with the candidate. Research experience is required, preferably including work with human subjects, although the latter is not a requirement.

The director is responsible to the vice president for research and graduate studies for developing, recommending and implementing policy and procedures for the protection of human subjects. The director must maintain close contacts with HHS officials and follow the development of new regulations. The director is responsible for reviewing the University's policies and procedures for adherence to new laws and regulations as they are adopted and is charged with the

responsibility for maintaining contact with officials at other universities to learn how these institutions are handling this responsibility and if more effective methods might be incorporated into the University's procedures.

Other duties include overseeing the administration and orderly functioning of the biomedical and the behavioral and social sciences review committees and providing adequate administrative support to the committees for carrying out their functions.

The director will review all protocols for conformity to campus policy, procedures and committee requirements; provide advice and assistance to investigators and graduate students contemplating the use of human subjects; provide information to committee chairmen and committee members from HHS and other federal agencies; and furnish logistic support for committee meetings including scheduling, notification to members, agenda, and minutes.

University to develop employee wellness program

If you're concerned about how your lifestyle is affecting your health, the University soon may help you change things for the better.

Based on the response to a faculty-staff survey to be made next week, University Health Services and the Office of Personnel Administration will develop various lifestyle/health promotion programs for interested employees.

"The survey of all faculty and staff is the first step in a new 'employee wellness' program that we hope will benefit both the individual and the University for years to come," says J. Robert Wirag, director of health promotion and education for University Health Services.

Dr. Wirag envisions a continual outpouring of programs on such topics as nutrition and diet, stress management, smoking control, alcohol awareness, consumer health and drug education as well as physical fitness. Classes would be offered before work, during the lunch hour, after work, or on weekends, depending on employee preferences.

"Basically, the University is 'testing the waters' of the worksite health promotion business," he says. "There's a growing concern that employers must become involved proactively in employee health care, providing after-the-fact medical

insurance is extremely important, but it is expensive and does very little to enhance overall employee health."

"Each year 32 million workdays are lost to heart attacks that kill 100,000 employees at the peak of their productivity. Industry pays out nearly \$25 billion each year as a result of premature employee deaths. Furthermore, industry also pays out \$12 billion annually for health care insurance."

Employers and employees alike are taking steps to reverse this trend, Dr. Wirag notes. Employers are enlisting health promotion efforts that offer the potential for reducing the costs associated with absenteeism, hospitalization, disability, job turnover, and premature death. And employees, more fitness conscious than ever, are asking to participate in programs that are designed to help them help themselves toward a healthier lifestyle.

To launch Penn State's employee wellness program, 32 personnel representatives will distribute a packet to all faculty and staff on the University Park Campus. The packet will contain:

- A letter outlining the program from John A. Hargleroad II, M.D., director of, University Health Services.
- A needs/interest survey to be

completed anonymously. The questionnaire asks about individual health practices and interests.

- A personalized text, "Cancer: Assessing Your Risks," from the American Cancer Society, that is also to be completed anonymously.

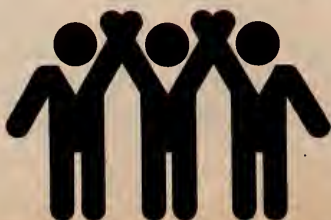
"We're asking faculty and staff to complete and return these items as quickly as possible," Dr. Wirag says. "We hope to analyze the responses in time to offer some programs for spring term."

The University, he adds, is very well

poised to develop and offer employee health promotion programs.

"Many private corporations are spending small fortunes to hire the experts and build the facilities such a program requires. At Penn State, we have the facilities and experts on hand. It's only a matter of coordinating everything. We hope to work closely with faculty in nutrition, physical education, nursing, psychology, health education and other pertinent departments as the program grows."

EMPLOYEE WELLNESS



through Health Promotion at the Worksite

Richard Swails

(Continued from page 1)

In his new post, Dr. Swails will report to Mr. Mansfield.

During Dr. Swails' tenure as director of the Career Development and Placement Center, the number of companies recruiting on the University Park Campus doubled—from 527 in 1976 to last year's high of 1,059.

"Penn State's on-campus interviewing program, administered by the Center, is recognized by employers as one of the largest and most efficient of its kind in the country," says Mr. Mansfield.

Through the Career Development and Placement Center, special relationships are established between corporations and Penn State, its students and alumni. Because of this relationship, a special reporting responsibility to Dr. Swails will be assigned to the new director of the Center when that person is selected, in

addition to the present line of responsibility to Dr. Richard E. Grubb, senior vice president for administration.

Currently, Dr. Swails is involved with a project to raise \$500,000 through corporate contributions for a new interview center to house the Career Development and Placement Center.

A 1962 Penn State graduate with a bachelor's degree in secondary education, Dr. Swails holds a master's degree in guidance and counseling from the State University of New York at Buffalo. He earned his doctorate in counselor education from Penn State.

He is an associate member of the Graduate School faculty, holding the rank of affiliate assistant professor of education in the Division of Counseling and Educational Psychology.

25-year awards



Horace F. "Fred" McMurtrie, foreman, storeroom, General Stores; and Fred Sweeley, group leader, landscape A, College of Health, Physical Education and Recreation, have observed 25 years with the University.



News in Brief

Several special events have been scheduled at the New Kensington Campus in observance of its Silver Anniversary.

A Jan. 17 conference on teaching motivation and techniques will feature presentations by Provost Eddy and Dr. John E. Roueche, professor of education at the University of Texas. Faculty and staff from the Western Pennsylvania Commonwealth Campuses have been invited to participate.

The Campus Advisory Board's annual fund drive appeal is being centered around the 25th Anniversary theme.

Highlight of the year's activities will be a gala appreciation dinner in April sponsored by the New Kensington Area Chamber of Commerce and the Campus Advisory Board. President Oswald will be the featured speaker. All living founders and benefactors of the campus will be honored.

The U.S. Army War College Current Affairs Panel will visit the University Park Campus Jan. 18, 19 and 20. The campus appearance will consist of

question-and-answer panel sessions and classroom visitations by selected panel members.

The Current Affairs Panel was established to encourage a dialogue concerning national security matters of current interest to the War College and civilian academic community.

A full panel discussion will be held at 7 p.m. Wednesday, Jan. 19, in Room 22 Deike Bldg. The discussion is open to the faculty, students and the public.

Faculty members interested in scheduling a representative from the Current Affairs Panel for a class or faculty meeting during the visit should contact Col. Arthur Dervaes at 863-0368.

The annual meeting of the Penn State Federal Credit Union will be held at 7:30 p.m. Wednesday, Jan. 19, in Room 305 Hietzel Union Bldg. Officers will be elected and the annual reports of the Credit and Supervisory committees will be presented.

The Credit Union, established in 1959 and open to all full-time and regular part-time personnel, presently has over \$4 million dollars in assets. The Credit

Union is offering new car loans at 13% APR and as of Dec. 31, 1982, the dividend paid was 8% compounded quarterly.

The Credit Union office is open from 10 a.m. to 3:30 p.m. Monday through Friday in the Telephone Building at University Park.

The Four Diamonds Chair in Pediatrics has been established in the College of Medicine at The Milton S. Hershey Medical Center.

The endowed Chair, a result of private giving, will provide a distinguished scholar an opportunity to teach, perform research and serve children through the provision of salary and supplementary funds.

The Four Diamonds Fund originated in 1973 by an act of the University Board of Trustees with a primary goal of providing financial relief for the families of children with cancer who are treated at the Medical Center.

The Fund also supports approved clinical, educational and research programs pertaining to children with cancer. Because of the beneficence of contributors, the Fund now provides an endowment of \$800,000 to support the Four Diamonds Chair.

President Oswald will appoint the chair holder after receiving

recommendations from a University committee chaired by the dean of the College of Medicine.

The University's public television station, WPSX-TV, exceeded its \$65,000 goal for "Festival 82," the station's ten-day, on-the-air fundraising effort. More than 1,500 viewers in the station's 29-county viewing area pledged a total of \$70,963 to support the station's programs, and an additional \$3,100 was received directly by mail.

WPSX-TV is accepting mail-in contributions at FESTIVAL 82, Wagner Annex, on the University Park campus. Checks should be made payable to WPSX-PSU.

Volunteers are needed to staff a Cross Country (Nordic) Ski Patrol at the Stone Valley Recreation Area.

Interested persons must have an advanced beginner or higher level of ability to ski and have their own set of ski equipment. Advanced first aid and C.P.R. training will be provided for those who do not have current certifications. Transportation to and from Stone Valley will be provided. For further information contact Phil Keller at Stone Valley, 238-5872.

Alumni Assoc.

(Continued from page 1)

national board of directors of the Council for the Advancement and Support of Education.

From 1971 to 1976, he was assistant and later head hockey coach at the University of Wisconsin and an instructor in that university's Department of Health, Physical Education and Recreation. In 1976-77, he was assistant professor and

director of recreation in the School of Health, Physical Education and Recreation at the University of North Dakota.

Dr. Rothwell has served as a member of the Hockey Rules Committee for the National Collegiate Athletic Association and served on the Olympic Hockey Team Selection Committee in 1976 and again in 1980. He has presented clinics in hockey and tennis for both coaches and players.

From 1956-58, he served in the U.S. Army and from 1962-71, he was employed as a professional tennis player. He has

been a volunteer administrator for the Wisconsin Special Olympics and has refereed intercollegiate and high school hockey.

Dr. Rothwell and his wife, Sandi, have three children: William, 7; Kimberly, 7; and Jonathan, 2. Mrs. Rothwell holds a bachelor's degree in pre-school education from the University of New Hampshire.

Penn State currently has nearly 220,000 active alumni. About one in every 100 Pennsylvanians is a Penn State graduate.

Seminar to examine Taiwan development

Dr. Cheng Hung Liao, a professor in the Department of Agricultural Extension at the National Taiwan University, will speak seminar at 1 p.m. on Jan. 20 in Room 151 Willard Bldg. His topic will be "Demographic Change and Rural Development in Taiwan."

Liberal Arts offers Japanese language program

Japan is one of the United States' major trading partners. To help prepare students for jobs in businesses dealing with Japan, the College of the Liberal Arts offers a Japanese Program to teach the language.

"Of all the American businesses in Tokyo, only a few have American employees who speak Japanese," says Dr. Arthur O. Lewis Jr., associate dean. "All Japanese representatives of companies dealing with the United States speak English."

"A knowledge of the Japanese language is absolutely essential. I really believe that learning how others think and reason in another language is important for students."

To teach this goal, the College established a Japanese Program in 1975. The Japan Foundation gave Penn State seed money for three years to get the

program in operation. The assumption was that at the end of the three years the program would be self-supporting.

The program has not been as successful as hoped, Dean Lewis says. Other colleges within the University are not encouraging students to combine studies in the Japanese language with their major fields of study, he says.

A total of 21 students enrolled in elementary and intermediate Japanese courses in 1975. There were 52 students in 1976; 48 in 1977; 41 in 1978; 40 in 1979; 33 in 1980; and 68 in 1981. This fall, 30 students were enrolled in the program.

"I'm encouraged by the figures for this Fall Term," Dean Lewis says. "If we have 15 students go on to the second year of the program, it will be a triumph. I'm pretty enthusiastic about the program and believe there is hope that it will become

more successful."

"Japanese isn't an easy language to learn. I do understand how difficult it really is. It helps to have good teaching and we have that now in Wako Hinds," Prof. Hinds started teaching during last Spring Term.

One key to increasing enrollment in the program may be the advisers, he says. They have not yet recognized that a language like Japanese is a professional asset.

Bill Loop, assistant to the dean and personnel officer for the College, says students in business administration and engineering should consider studying Japanese.

"Imagine the edge a company representative would have if he or she could speak Japanese and understand the culture," Mr. Loop says. "It would be a

great competitive edge."

"Our focus in the past has been on Western Europe," he says. "We have all kinds of links with this area." For example, the College of the Liberal Arts has a French/Business option with the College of Business Administration.

"It's time we expanded our horizon to include our most important trading partner in the other hemisphere."

— Deborah A. Benedetti

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Focus on the arts

Twyla Tharp dancers

The Artists Series will present the Twyla Tharp Dance Company at 8:30 p.m. Friday, Jan. 14, in Eisenhower Auditorium on the University Park Campus.

Highlights of the program include *The Fugue*, *Short Stories II*, *The Big Pieces*, and *Sue's Leg*.

Twyla Tharp Dance has presented more than seventy new works in venues ranging from public parks and gymnasia to the Broadway stage. Miss Tharp began in 1965 by choreographing for a small group of women. In 1971 the first man joined the company which today numbers sixteen.

As well as creating dances for her own company, Miss Tharp has been remarkably successful in choreographing works for cinema and television. Tharp's company was featured in Milos Forman's film version of *Hair* and *Ragtime*, and Miss Tharp choreographed video presentations for such diverse talents as the New York City Ballet's premier dancer, Peter Martins, and a dance for Pittsburgh Steeler Lynn Swann.

Twyla Tharp did not plan to be a dancer or choreographer. Rigorous training in classical ballet was part of her early education, but following what she calls her mother's "buckshot notion of education," Miss Tharp also studied piano, violin, drums, harmony, theory, tap, gypsy dancing, and baton twirling.

Miss Tharp assimilates American influences into the style and structure of her dances, which continually juxtapose classical convention and pop culture.

exuberance. She has created works accompanied by everything from Hayden, Mozart, and Bach to Scott Joplin, Fats Waller, Chuck Berry, and even the theme from the Mickey Mouse Club. In 1980, Twyla Tharp Dance opened its first Broadway season with its first full theatrical piece *When We Were Very Young*, based loosely on the A. A. Milne poem.

Bela Bartok music

A taped program featuring the music of Bela Bartok will be shown as a special pre-broadcast preview during Common Hour at 1 p.m. today in the Music Bldg. recital hall.

Robert Trehy, professor of music will host the program which will include performances of portions of *Concerto for Orchestra*, *Improvisations on Hungarian Peasant Songs*, *Contrasts*, *Sonata No. 1* for violin and piano, *String Quartet No. 4*, *Mikrokosmos*, and *Village Scenes*.

Museum talk

Jerome Witkin, professor of studio arts at Syracuse University, will speak at 10:30 a.m. Tuesday, Jan. 18, at the Museum of Art in conjunction with his exhibition, "Paintings and Drawings - A Decade of Work," which is on display through March 27.

Mr. Witkin was educated at the Cooper Union Art School and the University of Pennsylvania Graduate School of Fine Arts. He has taught in England and Switzerland and at the Maryland Institute in Baltimore and Moore College of Art in Philadelphia.

He has exhibited throughout the United States since 1964, and displayed work at the Museum of Art in 1974.

Garden design lecture

The Landscape Architecture Department will present Mrs. Mai Arbergast as the second speaker in the 1982-83 Bracken Lecture Series. Mrs. Arbergast, a landscape architect and horticultural consultant in Berkeley, Calif., will lecture on garden design at 8 p.m. Tuesday, Jan. 18, in Room 115 Electrical Engineering West.

Mrs. Arbergast is best known for her skills in planning design. She is responsible for the masterplanning of botanic gardens, arboreta, zoos and cemeteries in the San Francisco Bay area, the Midwest and the Northeast. Her current work includes the master street tree plan for the city of Oakland, Calif.

Chamber orchestra

Musica da Camera, the University's graduate chamber orchestra under the direction of Dr. D. Douglas Miller, will present its second concert of the year at 8:30 p.m. Wednesday, Jan. 19, in the Music Bldg. recital hall.

The program will include works by Beethoven and Wagner. The concert is free and open to the public.

Beethoven's *Symphony no. 6 (Pastoral)* was first performed in 1808. It is an early example of program music. Each movement has a title inspired by scenes of nature or country life. Beethoven's symphonies are usually performed today by large orchestras. This performance will attempt to recreate the lightness and clarity of the orchestration with which Beethoven was familiar.

Wagner wrote his *Sigfried Idyll* in 1870 as a gift for his wife Cosima. "... in gratitude for bearing him a son." The work was originally performed in the hall of Wagner's villa at Triebchen near Lucerne as a Christmas morning surprise. All but one of the themes are from the operas *Sigfried* and *The Valkyries*.

Folger Consort

The Folger Consort, known for its performances of early music on authentic instruments for which that music was written, will present a masterclass on early instruments at 2:20 p.m. Friday, Jan. 21, in the third floor Gallery of the Museum of Art.

Members of the student Collegium Musicum and the local Nova Consort will perform for members of the Folger Consort.

The Artists Series will present the Consort in concert at 8:30 p.m. Friday, Jan. 21, in Schwab Auditorium. Tickets will go on sale from 9 a.m. to 4 p.m. beginning Tuesday, Jan. 18, at the Eisenhower Auditorium box office.

Admission to the masterclass is open to students in the School of Music and to ticket holders for the Consort's evening performance.

Joint concert

The School of Music will present the University Choir, the Penn State Glee Club and the University Symphony Orchestra in concert at 8:30 p.m. Saturday, Jan. 22, in Eisenhower Auditorium. The concert is free and open to the public.

The major work will be Sergei Prokofiev's cantata, *Alexander Nevsky*, performed by the University Choir and Glee Club and the Symphony, under the direction of Bruce Trinklein. The featured soloist for the cantata will be Dr. Suzanne Roy, soprano.

Alexander Yaroslavich of Vladimir (1220-1263) was the first true pan-Russian hero. He won the surname Nevsky by his brilliant defeat of the invading Swedes at the Neva River in 1240.

In 1938 Sergei Eisenstein asked Prokofiev to write the score for a film about Alexander Nevsky. The music is so closely allied to the drama that Prokofiev, instead of merely extracting a symphonic

suite, wrote an extended dramatic cantata using thematic material from the film score. He wrote the text in collaboration with V. Lugovskoy.

The cantata premiered in Russia in 1939. It was first heard in the United States in 1943 when it was broadcast by Leopold Stokowski and the NBC Symphony. The work was first recorded by the Philadelphia Orchestra under the direction of Eugene Ormandy.

The original Eisenstein film will be shown during a School of Music Common Hour at 1 p.m. Tuesday, Jan. 18, in the Music Bldg. recital hall. A recording of the cantata (SM 396) is available in the Listening Room of the Arts Library, East Pattee 4th Floor.

Continuing the nationalistic expression of the Prokofiev, the second half of the concert will feature the Symphony Orchestra under the direction of Smith Toulson and James Alberty.

Mr. Toulson will direct Ralph Vaughn Williams' *Norfolk Rhymers*. This work captures the essence of English music, including folk idioms and modal inflections. Nicolai Rimsky-Korsakov's overture, *Russian Easter* (1888), is based on Russian liturgical themes. The final work on the program, *A Night on Bald Mountain* (1860) by Modeste Mussorgsky, will be directed by James Alberty, the Symphony's assistant conductor.

Flute, guitar recital

The School of Music will present faculty members Susan Klick, flute, and Anne Waller, guitar, in recital at 8:30 p.m. Monday, Jan. 24. The program will include works by Handel, Marais, Folia, Giuliani, and Paganini.

Both Ms. Klick and Ms. Waller joined the faculty in 1981. Ms. Klick has an extensive performance background including European and Scandinavian tours as principal guest soloist with the Heidelberg (Germany) Chamber Orchestra. She has been a first prize winner in both the National Flute Association's International Young Artist Competition and the Society of American Musicians' National Flute Competition. Ms. Waller served on the faculty of Mundelein College (Chicago) and as an Artist-in-Residence for the City of Dallas, TX. She has studied with John Mavres in Chicago, and Oscar Ghiglia at the Aspen Music Festival and at the Accademia Musicale Chigiana in Siena, Italy. Ms. Waller received her master of music degree from Southern Methodist Univ.

Playwright to speak

Polish playwright Janusz Glowacki will visit the University from Jan. 24-26 as a guest of the Institute for the Arts and Humanistic Studies.

He will participate in a Theatre Arts Common Hour and the Comparative Literature Luncheon and meet with faculty and students. He is currently participating in the International Writing Program at Iowa.

His play, "Cinders," opened in England at the time martial law was imposed in Poland. He has written short stories and novels in addition to plays. His most recent novel, *Give Us This Day*, is about the origins of Solidarity in the Lenin Shipyard in Gdansk.

Alard Quartet

The Alard Quartet, assisted by Steven Glaser, piano, will present a concert of works by Haydn, Mendelssohn and Dvorak at 8:30 p.m. Wednesday, Jan. 26, in the Music Bldg. recital hall.

The concert will open with Haydn's *String Quartet in D, op. 20 no. 4 (1772)*. The op. 20 quartets are known as the "Sun" quartets after a design on the cover of the first edition. Mendelssohn's *Quartet in A-minor, op. 13 (1827)* is his first string quartet. The theme is based on material from one of his songs.

The final work on the program will be Dvorak's *Piano Quintet in G major, op. 61 (1887)*, featuring pianist Steven Glaser. Mr. Glaser is an instructor of music.



Twyla Tharp dancers, from left, Jennifer Way, Shelley Washington and Katie Glasner.

Computer Science develops industrial contact programs

The Department of Computer Science has begun two new industrial contact programs, designed to allow member industries to recruit among Penn State's best computer science graduates and to keep University faculty members aware of industrial manpower needs and research interests.

"We educate more computer scientists than any school in Pennsylvania but our best undergraduate students have a tendency to interview very narrowly," Dr. Joseph Lambert, head of Computer Science said.

General Electric Corporation is the first firm to join the programs. Bill Phucas, general manager of the Military Programs Department in the Space Division of General Electric's Valley Forge plant, is his company's program representative. "We hope to improve the understanding in the student's mind of what General Electric is," he says. "In addition, we hope to reap some of the benefits of Penn State's computer science

research."

Dr. Lambert explains that industries which join the program may opt to concentrate solely on manpower concerns or to participate, in addition, in colloquia, informal workshops and other technical information exchanges. General Electric has chosen the latter course.

Three additional companies will affiliate with the department in 1983. The number of companies focusing only on recruiting concerns will be limited to 15. Membership in the Department Affiliates Program, which covers both recruiting and research cooperation, will be limited to eight companies.

Dr. Lambert emphasizes that the department program is not meant to replace the services of the Career Development and Placement Center.

Fees paid by the industrial affiliates will be used to obtain equipment for students and for faculty research, to bring speakers to campus and to pay for networking privileges.

University Park Calendar

January 13 - 27 Special Events

Thursday, Jan. 13
Sports: men's basketball vs. West Virginia, 8:10 p.m.

Friday, Jan. 14
Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. John Cahir, meteorology, on "New Data for Short-Range Weather Forecasting."
Sports: women's basketball vs. Coca-Cola Lady Lion Classic, 6 a and 8 p.m.
Cinematheque, *Conflagration*, 7 and 9 p.m., HUB Assembly Room. Also Jan. 15.
CASA Coffeehouse, 8 p.m., 102 Kern.
Artists Series, Twyla Tharp Dance, 8:30 p.m., Eisenhower Auditorium.

Saturday, Jan. 15
Sports: women's track and field, Penn State Quadrangular, 11 a.m.; men's indoor track and field vs. Cleveland State, James Madison and Rutgers, 1 p.m.; men's volleyball, Alumni Invitational, 2 p.m.; wrestling vs. Clarion, 8 p.m.

Monday, Jan. 17
Comp. Lit. Luncheon, 12:15 p.m., 101 Kern.
William Bradley, visual arts, on "Certain Functions of Narcissistic Perception in Visual Metaphors."

Tuesday, Jan. 18
Museum of Art Gallery Talk, 10:30 a.m. Jerome Wilkin, Syracuse Univ., in conjunction with exhibit "Jesse Wilkin: Paintings and Drawings: A Decade of Work."
Senate-Faculty Council meeting, 1:30 p.m., 111 Kern.
Shaver's Creek Nature Center, Armchair Naturalists-A Whale's Eye View of the World, 7:30 p.m., 272 Rec Hall.

Wednesday, Jan. 19
Women Artists Film Series, Photography: Dorothea Lee, *The Closer for Me*, 12:15 p.m., Zoller Gallery.
Graduate Council meeting, 3 p.m., 101 Kern.
Sports: men's basketball vs. Niagara, 8:10 p.m.
U.S. Army War College Current Affairs Panel discussion, 7 p.m., 22 Deike.
Penn State Federal Credit Union annual meeting of members, 7:30 p.m., 305 HUB.
URTC, *The Tempest*, student preview performance, 8 p.m. Playhouse Theatre.
Musica da Camera concert, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Jan. 20
Joel Westa, bass, lecture-recital, 1 p.m., Music Bldg. Recital Hall.

Friday, Jan. 21
Board of Trustees meeting, Faculty Bldg.
Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. Barry Voight, geology, on "Gottersdammung: Reflections on the Borbyrgomi and Flakus of Mt. Saint Helens."
Cinematheque, *Diary of a Shinigami Thief*, 7 and 9 p.m., HUB Assembly Room. Also Jan. 22.

Sports: men's swimming and diving vs. Virginia, 7 p.m.; women's gymnastics vs. Utah State, 8 p.m.
URTC, *The Tempest*, 8 p.m., Playhouse Theatre. Also Jan. 22, 23, 26-30, Feb. 2-6. Sunday performances at 7:30 p.m.; Sunday matinee at 2:30 p.m.
Shaver's Creek Nature Center, EARTHSONG, Doug Wood in concert, 8 p.m., Paul Robeson Cultural Center.
CASA Coffeehouse, 8 p.m., 102 Kern.
Artists Series, The Folger Consort, 8:30 p.m., Schwab.

Saturday, Jan. 22
Board of Trustees meeting, Faculty Bldg.
Sports: women's fencing vs. Pennsylvania, St. John's, San Jose State and Temple, 9 a.m.; men's fencing vs. Pennsylvania and St. John's, 11 a.m.; women's swimming and diving vs. Virginia, 1 p.m.; women's basketball vs. Boston University, 3 p.m.; men's swimming and diving vs. Johns Hopkins, 4 p.m.; wrestling vs. Lehigh, 8 p.m.
Faculty Women's Club, Midwinter Coffee, 9:30-11:30 a.m., Fireside Lounge, Nittany Lion Inn.
Artists Series, Disney Saturdays, The Many Adventures of Winnie the Pooh, Ugly Duckling and Golden Fish, 10:30 a.m. and 2 p.m., Schwab.

Sunday, Jan. 23
Shaver's Creek Nature Center, Members Snow Festival, 2 p.m., Nature Center.

Monday, Jan. 24
Comp. Lit. Luncheon, 12:15 p.m., 101 Kern.
Janusz Glowacki, Polish playwright.
France-Cinema, *The Umbrellas of Cherbourg*, 7 and 9 p.m., 112 Kern.
Susan Klick and Anne Waller, flute and guitar concert, 8:30 p.m., Recital Hall.

Tuesday, Jan. 25
Artists Series film, *Cat On A Hot Tin Roof*, with Elizabeth Taylor, 8 p.m., Schwab.
Sports: wrestling vs. Millersville, 8 p.m.

Wednesday, Jan. 26
Women Artists Film Series, Photography: Dorothea Lee, *Under the Trees*, 12:15 p.m., Zoller Gallery.
Alard Quartet concert, 8:30 p.m., Music Bldg. Recital Hall.

Thursday, Jan. 27
Schilling seminar meeting, dinner at 6 p.m., followed by discussion, 7:15 p.m., Gilpin Room, Nittany Lion Inn. Marlene Cushman on "Heidegger and Theology: Thought and Faith in the Language of the Parable."

Seminars

Thursday, Jan. 13
Chemistry, 12:45 p.m., 55 Osmond. Rick L. Danheiser, M.I.T., on "Annulation Approaches to Carbocyclic Compounds."
Anthropology, 3 p.m., 107 Carpenter. Lloyd Elm on "A Survey of American Indian Values."

Aesthetics, Criticism and Interpretation Theory Group, 3:45 p.m., 221 Chambers. Pat Ward, French, on "The Functions of the Literary Preface."

Physics, 3:55 p.m., 55 Osmond. A.R.W. McKellar, National Research Council, on "Laser Magnetic Resonance Spectra of the C₂ Radical."

Math, 4 p.m., 102 McAllister. Nathaniel Chaffee, Georgia Tech, on "An Equation Modeling the Electric Ballast Resistor."

Friday, Jan. 14
Analytical Chemistry, 10 a.m., 55 Osmond. Mehdi Yazdi on "Degradation of the Oceanic Pollutant Tributyltin Chloride."

Monday, Jan. 17
Plant Pathology, 12:45 p.m., 213 Buckhout. Garfield Thomas on "Diffusion of Technology in Agriculture."

Tuesday, Jan. 18
Organic/Inorganic, 12:45 p.m., 55 Osmond. Individual and Family Studies, 2 p.m., 5-205 Human Development. Mark Ginsberg, American Psychological Association special consultant for state level affairs, on "Psychology in the 1980s: Legislative, Legal and Policy Issues."

Materials Science, 4 p.m., 189 Materials Research Lab. C. Lo on "Iron Nitride Thin Films". P. Glaser on "Glass Thin Films Prepared with Sol/Gel Techniques."
Landscape Architecture, 8 p.m., 115 Electrical Engineering West. Mai Arbagast on "Garden Design."

Thursday, Jan. 20
Chemistry, 12:45 p.m., 55 Osmond. Richard E. Smalley, Rice Univ., "Supersonic Metal Clusters."

Agricultural Economics and Rural Sociology, 1 p.m., 151 Waller. Chen Hung Liao, National Taiwan Univ., on "Demographic Change and Rural Development in Taiwan."
Physics, 3:55 p.m., 55 Osmond. Hans H. Zappe, IBM, on "Josephson Technology."

Friday, Jan. 21
Analytical Chemistry, 10 a.m., 55 Osmond. Donald Yakita on "Laser Enhanced Thermal Ionization (LET) Spectrometry."
Office of Religious Affairs, Cult Workshop, 7:30 p.m., Eisenhower Chapel. Continues Jan. 22, 9 a.m.-4 p.m.

Monday, Jan. 24
Plant Pathology, 3:45 p.m., 213 Buckhout. Sheryl Horna on "Selection of Genetically Diverse Lines of *Agaricus brunneus* for Higher Spawn Run and Production Temperatures."

Tuesday, Jan. 25
Organic/Inorganic, 12:45 p.m., 55 Osmond. Materials Science, 4 p.m., 189 Materials Research Lab. P. Silva on "Aluminums

Phosphate Ceramics as a Rad Waste Host"; L. Shadle on "A Comparison of Hydrogen-Rich Structures from Coals and Coal Liquefaction Products."

Wednesday, Jan. 26
Graduate School/Physiology, 3 p.m., 112 Kern. J. Allan Hobson, M.D., Harvard Medical School, on "Waking, Sleeping and Dreaming: Neurophysiological Substrates."

Thursday, Jan. 27
Chemistry, 12:45 p.m., 55 Osmond. Tobin J. Marks, Northwestern Univ., on "New Stoichiometric and Catalytic Actinide Organometallic Chemistry."
Aesthetics, Criticism and Interpretation Theory, 3:45 p.m., 221 Chambers. William Hanson, visual arts, on "Photography as Experiencing Mind."

Exhibits

Chambers Gallery
Gallery Hours: Monday through Friday, 8

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

a.m.-10 p.m.; Saturday and Sunday, 10 a.m.-6 p.m.
Art Education Graduate Student Group Show, through Jan. 27.

Kern Gallery
Cheryl McNeish, paintings, through Jan. 28.
Ken Hall, pen and ink drawings, through Jan. 28.

Museum of Art
Museum Hours: 11 a.m.-4:30 p.m. Closed Mondays. Tours, Sundays, 1:30 p.m.
Chinese Jade Carvings from the Collection of Dr. and Mrs. Harold L. Tonkin.
Jerome Wilkin - Paintings and Drawings: A Decade of Work.

Pattie Library
Lending Services: Dave Teplica, photos.
East Corridor Gallery: Renee Jacobs, photos.

Visual Arts Bldg., Zoller Gallery
Gallery Hours: Monday through Friday, 9 a.m.-5 p.m. Saturday and Sunday, 1-5 p.m.
Harry Nadler: Paintings and Drawings, through Jan. 30.



This red-tailed hawk is featured in an exhibit by collaborating artists, William and Grace White, who have directed their creative talents to the interpretation of nature through decorative bird carvings. The exhibit is on display in the Kern Galleries through Jan. 28.

University participating in videodisc technology study

The University will take part in a nationwide study beginning this month to determine the effectiveness of videodisc technology in educational television programs.

The results of the study are expected to have major implications for educational institutions in their use of videodiscs, according to Marlowe Froke, general manager of the Division of Learning and Telecommunications Services.

The study is being conducted and financed by the National University Consortium for Telecommunications in Teaching (NUC). Penn State was one of six founding members of the consortium which now consists of 17 colleges and universities and 21 television stations.

The four-month study will provide a basis for comparison between technologies now in use and videodisc usage, according to Mr. Froke, who is a member

of the advisory committee of the NUC.

"By experimenting with videodisc usage, members of the NUC will be able to evaluate the cost effectiveness of discs compared to the current system of distribution and use of video lessons," he said.

Penn State's portion of the study -- to be conducted by the Division of Learning and Telecommunications Services -- will be in two parts.

First, the television lessons for a six-credit course in composition and linguistics offered by the Department of English will be transmitted on PENNARAMA by way of videodisc rather than the current origination method of videotape. PENNARAMA is a state-wide educational cable network.

In addition, a learning center at a Commonwealth Campus will feature videodisc use for students.

Faculty/Staff Alerts

The Controller's Office wishes to remind employees who filed a Withholding Exemption Certificate - Form W-4E - for 1982 that the certificate will expire Feb. 15, 1983, for taxpayers on a calendar year basis. The exemption claimed on Form W-4E must be renewed annually.

If you qualify and wish to continue your exemption, or if you are applying for the first time, you must file a new Form W-4E for 1983. You may claim the exemption from withholding if you had no income tax liability for 1982 and if you anticipate no income tax liability for 1983. Forms are available from the Payroll Department, Room 301 Shields Bldg.

In general, the elimination of the withholding applies only to those working part-time. The principal advantage is that it will eliminate the need to file an income tax return at the end of the year to obtain a refund of money withheld.

The Office of Personnel Administration is pleased to announce that effective Jan. 1 the more than 9,000 faculty and staff members who participate in the University's Voluntary Accidental Death and Dismemberment Insurance Program (VADD) will have their premium payments reduced.

The premiums were reduced Jan. 1, 1981, and again in November, 1981. This additional reduction in premium rates is possible due to continued good experience under the VADD plan. The new rates are as follows:

Type of Coverage

Employee	Monthly Rate	Biweekly Rate
Only From To	From To	From To
\$ 10,000	\$.37	\$.35
25,000	.93	.88
50,000	1.85	1.75
100,000	3.70	3.50
150,000	5.55	5.25
200,000	7.40	7.00

Employee and Dependents

Employee	Monthly Rate	Biweekly Rate
Only From To	From To	From To
\$ 10,000	\$.58	\$.55
25,000	1.45	1.38
50,000	2.90	2.75
100,000	5.80	5.50
150,000	8.70	8.25
200,000	11.60	11.00

Current rates will be adjusted automatically. No action is required by individual faculty or staff members.

Social Security deductions for those earning more than \$32,400 per year will be

higher in 1983, as mandated by federal law.

The Social Security base increased from \$32,400 to \$35,700 effective Jan. 1. The rate remains the same at 6.7 percent. The maximum annual deduction will be \$2,391.90, an increase of \$221.10 over 1982.

President Oswald recently approved a proposal of The Joint

Administrative/Faculty Committee on Insurance Matters for a Long-Term Disability Income Plan for certain University faculty and staff members.

Presently faculty and staff members who join the TIAA-CREF Retirement Plan, and those in the State Employees' Retirement System or other retirement systems with less than five years of service, do not have a long term disability income benefit plan, other than Social Security and the disability provision in the life insurance plan.

The Pennsylvania State University Long-Term Disability Income Plan is designed to provide a continuing income of approximately 60% of salary (including amounts received from Social Security and/or life insurance disability, etc.) for the duration of the disability, after a six month waiting period.

After considerable discussion, The Joint

Administrative/Faculty Committee on Insurance Matters developed the desired elements of The Long-Term Disability Income Plan. Several insurance companies were solicited for bids. The Teachers Insurance Annuity Association was chosen since it offered the desired coverage at the lowest cost.

In order for this new plan to be implemented, it will be necessary for seventy-five percent (75%) of the eligible faculty and staff members to elect the plan. The plan cost is estimated to be thirty cents (.30) per one hundred dollars of monthly covered salary. For example, the cost for a faculty or staff member with a monthly salary of \$1,500 would be \$4.50 per month. While 30¢ per \$100 is the probable premium, the actual premium will be dependent upon the actual group of faculty and staff members who participate. This estimated premium is an excellent rate for the protection offered.

Additional information about the plan will be provided at a later date. Present plans are to distribute enrollment packets to all eligible faculty and staff members in early February. The University is pleased to make this additional benefit available to those who need it and is hopeful that at least 75% of those eligible will elect to participate so that the plan may be implemented at the expected cost level.

Penn Staters

Dr. Eunice N. Askov, professor of education, has been awarded a Fulbright scholarship to work in Australia. Dr. Askov, who specializes in reading education for both children and adults, has accepted a five-month assignment at the University of Western Australia in Perth, where she will design an adult basic education reading program using microcomputers.

John Balaban, professor of English, has been appointed to the Literature Panel of the National Endowment for the Arts. The panel, an advisory group for the National Endowment's Literature Program, helps formulate policy, develop guidelines and recommendations on grant applications.

Dr. Gerard J. Brault, professor of French, served on the National Screening Committee for the selection of Fulbright and foreign-sponsored awards for 1983.

Dr. Samuel M. Curtis, head, Agricultural and Extension Education, has been installed as Eastern Region vice president of the American Association of Teacher Educators in Agriculture.

Dr. Donald D. Davis, professor of plant biology, presented papers on "Bio-Indicator Plants to Detect Ozone," at the University of Oulu, Oulu, Finland, and "Effect of Air Pollution on Forest Productivity" in Leningrad, USSR.

Dr. E. Emory Ensore, associate professor of industrial and management systems engineering, has been elected to the College-Industry Council on Material Handling Education.

Dr. H. Seymour Fowler, professor emeritus of nature and science education, has received a Distinguished Service Award from the Pennsylvania Science Teachers Association.

Dr. Norman Freed, professor of physics and associate dean for student instruction in the College of Science, has been elected to the board of

directors of the Bates National Laboratory and appointed a member of its Program Advisory Committee. The laboratory, a national facility located at Massachusetts Institute of Technology, is one of the largest in the world devoted to the study of high energy nuclear physics.

Dr. Jerry L. Goodrich, assistant professor of industrial and management systems engineering, presented invited lectures on microcomputers, micro-processors and automation at the Korean Institute of Machinery and Metals in Changwon, Korea.

Dr. Kenneth Goodwin, professor and head of Poultry Science, presented a paper at the Unidad de Congressos del Centro Medico Nacional in Mexico City on the reason for, and interpretation of, differences in performance traits among different flocks of chickens. Dr. Edward G. Buss, professor of poultry science, also presented a paper at the Congress on the importance of selecting a strain of chickens with the genetic potential to produce eggs with strong shell at the onset of egg production.

Dr. H.K.K. Henisck, professor of physics, has been appointed to the board of directors of the Institute for Amorphous Studies, inaugurated last April. The Institute, located in Troy, Mich., will sponsor courses, general conferences, and specialized symposia and publications on the science of amorphous materials, the study of solids which lack the long range structural order that characterizes crystals.

Dr. Henry J. Hermanowicz, dean of the College of Education, has been re-elected to the board of trustees of the Joint Council on Economic Education, a non-profit organization which coordinates a national network of 50 state councils on economic education.

Dr. Charles L. Hosler, dean of the College of Earth and Mineral Sciences, presented an invited paper, "The Place of Correspondence Instruction (Distance Learning) in the Training of Meteorological Personnel," at the

Symposium on Education and Training in Meteorology with Emphasis on Climatic Change and Variability, held in San Jose, Costa Rica, under the sponsorship of the World Meteorological Organization.

Dr. K.E. Chung Kim, professor of entomology, presented two invited talks, "The Survey on Human Resources in Systematic Entomology" and "Problems Facing University Collections Related to Research and Training," at joint meetings of the Entomological Society of America, in Ontario and Toronto, Canada.

Dr. David A. Long, associate professor of civil engineering, has received the David H. Shulte Sr. Memorial Personal Advancement Award of the Eastern Pennsylvania Water Pollution Control Operators Association.

Dr. C.T. Morrow, associate professor of agricultural engineering, has received a certificate of recognition from National Aeronautics and Space Administration for his research entitled "Application of Satellite to Freeze Forecast Technology to Other Parts of the United States - Phase III."

Dr. Robert K. Murray, professor of American history, has received a 1982 award for "outstanding contributions to the field of speleology" from the National Speleological Society.

Dr. Murray and Roger W. Brucker explored and mapped Sand Cave in Kentucky where one man was trapped and died in 1925. Dr. Murray's book about his and Mr. Brucker's experiences in the cave, *Trapped!*, was published in 1979 by G.P. Putnam's Sons and reissued in 1982 in paperback by the University of Kentucky Press.

Dr. Robert F. Nicely Jr., associate professor of education, has been elected president of the Pennsylvania Association for Supervision and Curriculum Development.

Dr. David L. Passmore, associate professor of vocational education, has been named Outstanding Researcher for 1982 by the National Association of Industrial and Technical Teacher Educators.

Dr. Forrest J. Remick, assistant vice president for research and graduate studies and professor of nuclear engineering, has been appointed to the Accrediting Board of the Institute of Nuclear Power Operations.

Dr. Rustum Roy, chairman of the Science, Technology and Society program, is serving as Science and Public Policy Fellow at the Brookings Institution in Washington, DC.

Wade Saunders, assistant professor of art, currently is showing his work entitled "Subjects of the Artist" at the C. Grimaldis Gallery in Baltimore. The one-man show will run through Jan. 30.

Dr. John L. Swisher, professor of education, presented an invited paper on the current directions for drug education in the public schools at an international workshop on drug education in Dublin, Ireland. The workshop was sponsored by the Irish Ministry of Health's Health Education Bureau.

Dr. William Toombs, director of the Center for the Study of Higher Education, represented the United States at a UNESCO-CEPES conference held at the University of Salamanca, Spain. Delegates from thirty European nations and several international organizations met to identify the topics of significant priority for research on higher education that would be illuminated by exchange and collaboration.

Dr. John A. Waldhausen, professor and chairman of surgery in the College of Medicine, has been elected president of the Society of Clinical Surgery for 1982-1984.

Dr. Donald J. Willower, professor of education, has been named a distinguished visiting professor by the University of Alberta, Edmonton, Alberta, Canada. In that capacity, he presented a public address on "Schools as Organizations" and gave a series of lectures and seminars for University of Alberta faculty and graduate students.

Partings

Knowing the outdoors is Dr. H. Seymour Fowler's vocation and avocation.

Dr. Fowler, a teacher of nature and science education in the College of Education since 1957, retired Dec. 31 with the rank of professor emeritus of nature and science education.

His list of accomplishments is lengthy and includes winning a number of national and international awards, co-authoring a widely used text, *A Fieldbook of Natural History*, publishing scores of articles and papers and directing several noteworthy science symposia at Penn State.

But Dr. Fowler — or "Bus" Fowler, as he is known to his colleagues and friends — is particularly notable for his service as doctoral student adviser and as adviser to more than 800 undergraduates in science education.

Another high point for Dr. Fowler has been his initiation and subsequent direction of the 19-year-old Pennsylvania Junior Science and Humanities Symposium. The annual event brings state high school science scholars to the University Park Campus for three days of lectures, presentations, tours and socializing with their peers and science professionals. In addition, for the last 20 years, he has been director of the Pennsylvania Conservation Laboratory for Teachers.

Education and Penn State run in the Fowler family. His late wife Kathleen received both her bachelor's and master's degrees in education from the University. She was a teacher at Easterly Parkway Elementary School. His daughter, Kathleen Barto, also graduated in education from Penn State and is a science teacher at Park Forest Junior High School in State College. Son-in-law Kenneth Barto is a physical education teacher and baseball coach at State College Area Senior High School.

Dr. Fowler holds three degrees — bachelor of science, master of science and doctor of philosophy — from Cornell University.

Dr. E. Erwin Klaus, Fenske Faculty Fellow and professor of chemical engineering, retired with emeritus rank

Jan. 1 after almost 40 years on the University faculty.

A native of Neffsville, Dr. Klaus came to the University as a research assistant in petroleum chemistry in 1943, the year he graduated from Franklin and Marshall College. He earned his M.S. degree (1946) and his Ph.D. (1952), both in chemistry, from Penn State while serving as a junior faculty member.

Dr. Klaus, whose research in tribology (the study of friction, wear and lubrication) has brought him and his department numerous honors, was named Fenske Faculty Fellow in 1979. The faculty fellowship is in honor of Merrell R. Fenske, founder in 1929 of the Petroleum Refining Laboratory, which is now merged into the Department of Chemical Engineering.

The most recent of Dr. Klaus' research honors was the 1982 Mayo D. Hershey Award, presented by the American Society of Mechanical Engineers. The Society, in recognizing him as "one of the world's leading experts in lubrication," cited him for his "pioneering contributions as a researcher in the development of super-refining processes for lubricating oils."

Much of Dr. Klaus' research has focused on improving lubrication for aircraft engines. He and his group have generated some 14 military specifications for hydraulic fluids and lubricants, the most notable of which are for the lubricants that are used almost universally by commercial and military gas turbine engines. He also has developed simulated engine tests that are used by NASA, the National Bureau of Standards and some 20 industrial organizations.

Dr. Klaus has published some 120 scholarly papers and articles and is co-editor of a book titled *Appraisal of World Literature on Boundary Lubrication*. He also holds a U.S. patent.

Although Dr. Klaus has retired, he plans to continue some of his research in the Department of Chemical Engineering. One of his current projects involves finding ways to use chemicals to improve — and hence, increase — the flow of oil out of underground reservoirs.

David C. Whitmarsh, associate professor of engineering research, retired Dec. 1, 1982, from the Applied Research Lab at



H. Seymour Fowler

University Park after 37 years of service.

Prof. Whitmarsh came to Penn State as a research associate in September, 1945 with the Ordnance Research Laboratory. Born in Barnesville, Ohio, he earned a B.S. degree in physics from Washington & Jefferson College in 1940 and a M.S. degree in physics from Syracuse University in 1942.

He conducted underwater sound research while at the University, continuing work he began at the Harvard Underwater Sound Laboratory. In addition, he was involved in Penn State's Wallops Island, Va., undergraduate education program in Marine Sciences since its inception in 1972 and was its director for four years.

Prof. Whitmarsh also was an avid astronomer. He traveled to Labrador and Burma on Air Force-sponsored expeditions to photograph the eclipse of the sun.

For most of his career, Dr. Robert L. Cowan, professor of animal nutrition and ruminant nutritionist, has been searching for a small animal that could be used for large scale digestive trials. Seven years ago he found that animal in South Africa.

Dr. Cowan, who retired Dec. 31 after 34 years service, found all that and more in tiny antelopes called blue duikers, an endangered species from South Africa. They are adaptable to laboratory handling and have digestive capabilities similar to sheep.



E. Erwin Klaus

Dr. Cowan logged more than 40,000 miles by air and 20,000 by land, met with countless government officials, travel agents, exporters, and freight agents to get 18 blue duikers to Penn State. Penn State had to have an area officially certified a zoological park by the federal government. Duikers have been housed at Penn State for over a year and the population has grown by eight over the last few months and more are on the way.

Offspring of these animals will be used to start a breeding herd. The duiker will enable feed evaluations on as little as three pounds of forage per animal. This forage can be grown under controlled greenhouse conditions.

Dr. Cowan earned his B.S., M.S. and Ph.D. all from Penn State in biochemistry. In his research he developed and demonstrated new preservatives for grass silage. He has also supervised the research at the Deer Research Center.

He and his wife Lois live in Huron township. They are the parents of three sons and two daughters.

Annabelle Y. King, secretary at Fayette Campus, from Sept. 25, 1970, to Dec. 30.

Vida Dugan, clerk in Pattee Library, from April 13, 1970, to Dec. 30.

Marian A. Duncan, secretary at the Worthington Scranton Campus, from Jan. 1, 1969, to Dec. 30.

Obituaries

Dr. Walter H. Walters, 65, who retired as dean of the College of Arts and Architecture last January, died Dec. 28 in Harnburg Hospital. Since his retirement, Dr. Walters had been living in Ponte Vedra Beach, Fla.

"Under Dr. Walters' leadership, the College of Arts and Architecture greatly broadened the role of the arts at the University," President Oswald said.

"During his 31 years at Penn State, he enriched the entire community by his leadership in establishing such programs as the University Resident and Festival Theatre companies and the Nittany Mountain Summit Theatre company. I am saddened by this loss."

In addition to his academic duties, Dr. Walters was director of University Arts Services, overseeing the Artists Series, the Museum of Art and University Art Exhibitions and Galleries, the theatres, Music Recital Hall, Schwab and Eisenhower auditoriums and Recreation Hall. In 1981, he launched the "Angels Program," which attracted private support for the first time to help underwrite the summer Festival Theatre productions.

Dr. Walters joined the faculty in 1950 and was named the first head of the Department of Theatre Arts in 1956. During his tenure, the Playhouse and Pavilion theatres were designed and opened, and a master of fine arts degree was added to the curriculum.

He was named associate dean of the College of Arts and Architecture in 1966 (three years after its founding), became acting dean in 1968 and dean in 1969. The

Museum of Art was opened under his leadership and in nine years has acquired major holdings. Dr. Walters served seven years on the committee for the construction of Eisenhower Auditorium and was responsible for the Auditorium's management.

Dr. Walters played a prominent role as a spokesman for the arts both nationally and internationally. Since 1976, he was chairman of the Fine Arts Commission of the National Association of State Universities and Land-Grant Colleges (NASULGC). In 1974, he was elected chairman of the International Council of Fine Arts Deans. In addition, he served as president of the U.S. Institute for Theatre Technology and was the first president of the University and College Theatre Association.

Dr. Walters earned his B.S. in English literature at Troy State University (1930) and his Ph.D. in English literature at the University of Wisconsin-Madison (1947). Western Reserve University, Cleveland, granted him an M.F.A. in drama (1949) and a Ph.D. in literature and drama (1950).

Memorial services will be held in the spring, at the convenience of the family, in Ponte Vedra Beach, Fla. Contributions may be sent to the Museum of Art.

M. Leonard Shaevel, associate professor of physics at the Hazleton Campus, died Dec. 27. He was 45.

Professor Shaevel joined the Hazleton Campus faculty in 1966 as instructor in physics. He was promoted to assistant professor in 1970 and to associate professor in 1975.

He was one of four University faculty members named recipients of the 1981 AMOCO Foundation Outstanding Teaching Awards, given to recognize excellence in teaching performance by faculty members in the undergraduate program. He was elected Hazleton Teacher of the Year by campus students in 1970 and 1977.

Professor Shaevel, the co-author of three textbooks, earned his B.S. and M.S. degrees at Lowell (Mass.) Technological Institute. In addition to his undergraduate teaching responsibilities, he helped develop a workshop for high school and college students on the theme, "Science and the Development of Reasoning." He also created, co-authored and co-produced "Science Countdown," a television quiz series for high school seniors aired for four years over a regional public television outlet.

Harold L. Hinman, 75, retired associate professor of psychology and former member of the University's management development faculty, died Dec. 23 in Florida after a brief illness.

Mr. Hinman joined the faculty in 1949 as an assistant professor of industrial psychology in Extension and retired in 1969.

Prior to joining the University, he was a psychologist for the Veterans Administration and the U.S. Employment Service. He served as a management consultant following his retirement. Mr. Hinman was a graduate of Franklin and Marshall College.

Dr. Martin L. Odland, professor of olericulture, died Dec. 21 at the age of 77.

Dr. Odland, a University faculty member from 1943 until his retirement July 1, 1970, received his B.S. degree in 1934 and Ph.D. in 1942 in horticulture at the University of Minnesota. He joined the faculty of the University of Connecticut in 1938 and served there until his appointment at Penn State.

Dr. Odland conducted research on many vegetable crops and is credited with developing the Pennell Pepper, a high yielding early variety of sweet pepper, and the Penn Beauty eggplant, a mild early variety of that vegetable.

P. Thomas Ziegler, professor emeritus of animal husbandry, died Dec. 29 at the age of 91. He had retired Oct. 1, 1957.

He joined the faculty in 1919 as instructor in poultry husbandry and the following year was named instructor in animal husbandry. He was promoted to assistant professor in 1924; to associate professor in 1930, and to professor in 1933.

Ruth P. Wells, janitress in Physical Plant from Sept. 20, 1954, to May 14, 1966, died Jan. 3 at the age of 81.

Robert R. Ihms, University patrol officer at the Altoona Campus, from Oct. 15, 1947, until his retirement May 28, 1971, died Dec. 21 at the age of 73.

Marybernadette Skeels, clerk in Pattee Library since Oct. 25, 1982, died Dec. 16. She was 40.

Leah E. Decker, secretary in the College of Agriculture from Jan. 1, 1943, until her retirement July 1, 1953, died Dec. 12 at the age of 84.

Keller Conf. Center offers course on microcomputers

If your office will be "computerized" later this year and you're feeling out of it because you still don't know a byte from a bit, a RAM from a ROM or a nibble from a menu, you're in luck.

The Keller Conference Center has just acquired 12 new Apple II-plus computers with the intention of providing educational programs and experiences with the microcomputer for University personnel and others throughout the state.

As a start, the Conference Center will offer two microcomputer familiarization programs in February designed for University personnel only, who have little or no prior experience with computers. Each program will run four half-days from 8 a.m. to 12 noon with the first session from Feb. 1 through 4 and the second from Feb. 8 through 11. Costs of the program will be \$95 per person.

The programs will deal with general microcomputer concepts including hardware, software plus hands-on experience. The four major topics to be covered are data-base management, word processing, financial analysis and modeling and general accounting methods with computers. To register for one of the programs or receive information on other upcoming programs, contact Melinda G. Harr, conference coordinator at 410 Keller Conference Center, 865-8820.

"Many people are afraid of computers,"

says Thomas F. Barone, senior technical specialist for PENNTAP, who will be teaching the programs. "They think they have to know everything about a computer and how it works before they can use one. You don't have to know how the engine works under the hood of a car to be able to drive one. It's the same with a computer."

Continuing Education purchased the twelve computers in November and is developing its computer lab with the intention of becoming a leader in the field.

"This is an example of how Continuing Education is able to adapt and make changes to meet the educational needs of the general population," says Richard M. Bunnell, director of the Keller Conference Center.

"We're fortunate to have the financial support and commitment of the University to purchase the computers and develop the computer laboratory. Not many continuing education units in the country have labs like ours."

Since acquiring the computers in November, the Keller Conference Center has provided two special programs for its own Continuing Education personnel, each of which lasted four half-days, and a one-day familiarization program for personnel in the Department of Food Service.

"Our people were excited about the program," Mr. Bunnell says. "They've



Working with the new Apple II-plus computers in the Keller Conference Center are, from left, Dr. Michael J. Streibel, Dr. Thomas F. Barone, Richard M. Bunnell, and Melinda G. Harr.

been talking about the number of ways computers can be used in our operations. It has really whetted their appetites."

The Center is planning numerous programs for the coming year. It will offer a series of one-and-a-half hour sessions for faculty and staff of the College of Education Jan. 17, focusing on word processing uses of the computer.

On Feb. 24, the State College Area Chamber of Commerce will co-sponsor a program designed for owners, managers and administrators of small or medium sized firms to demonstrate the management opportunities for microcomputers. On March 7 the Center will provide a one-day seminar for civil

engineers and on March 11 and 12 it will hold a conference for educators at all levels to provide an opportunity to acquire and share information about microcomputers.

The Conference Center also is planning eight one-week computer camps for youngsters during the summer months, including commuter and resident sessions, by age and experience levels.

Dr. Michael J. Streibel, assistant professor of education, was instrumental in advising the Conference Center on the choice and purchase of equipment. Programs are co-sponsored by the College of Business Administration and the College of Engineering.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Jan. 20, 1982. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

Applications for staff vacancies are considered in accordance with Fair Employment practices (FES) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

• **Writer-Editor, Public Information and Relations, University Park** — Responsible for writing news releases and for providing public information support for particular colleges for the News Bureau and for internal publications. Establishes regular channels of communications with deans, administrative officers, department heads and faculty members in the development of publicity and public information programs. Must have ability to write well, fast and accurately. Bachelor's degree in journalism, English or related field, plus at least two years of effective experience in a writing position on a newspaper or in a public information office. Higher education experience desirable.

• **Accountant, General for Housing and Food Services, University Park** — Under general direction of the manager of Business Services, administers and coordinates accounting functions involved in income, inventory, and expense controls; reconciles computer runs, prepares and supervises preparation of reports; reviews general accounting practices and procedures and recommends changes. Bachelor's degree or equivalent in accounting, accounting administration or financial management, with one to two years effective experience required. Knowledge of computer operations preferred.

• **Police Officer, University Safety, University Park** — Enforce national, state and local laws, and appropriate University regulations through investigation, apprehension and prosecution of violators. Prevent illegal and unsafe activities through tactical patrol. Individual must be able to work one of four shifts. Associate degree or equivalent in academic credits with one to two years of effective law enforcement experience required, bachelor's degree or equivalent in law enforcement or social services preferred. A

physical examination by M.D., physical fitness test and interview with University psychiatrist are also required.

• **Manager, Animal Resource Facility, College of Medicine, Hershey** — Responsible to the chairperson, Department of Comparative Medicine, for conducting day-to-day operation of the Animal Resource Facility, including planning, directing, and coordinating the Animal Husbandry Division of the facility. A bachelor's degree in an animal related field, plus five to six years of effective experience.

• **Applications Programmer/Analyst, Office of Planning and Budget, University Park** — Together with the lead applications programmer/analyst, conduct analyses of data processing and customer data problems and needs. Determine detailed requirements for solving problems and prepare computer programs and systems to achieve desired results. Baccalaureate degree or equivalent in computer science and one to two years of effective experience in computer programming and analysis required. Knowledge of PL/I and/or Cobol programming languages and structured programming techniques helpful.

• **Assistant Director, Nursing Services, College of Medicine, Hershey** — Responsible to the associate hospital director/director of nursing service for assisting with the administration of the Department of Nursing Services within assigned patient care areas, including the planning, organizing, staffing, coordinating, and evaluating activities necessary for continuation of nursing care and supervision of nursing care. Master's degree in nursing administration or related area preferred or equivalency and three to four years effective experience within a hospital setting and relating to the area of accountability as designated and current licensure as a registered nurse by the Pennsylvania Board of Nurse Examiners

• **Programmer/Analyst, College of Agriculture, University Park** — Responsible to the project director for developing, modifying and analyzing computer programs and for consulting with faculty members on the best methods and procedures to obtain desired information. Modify and improve programs supplied by cooperating infrared projects and agencies. Specify and develop computer programs and micro-processor system to computerize specialized instruments for infrared technology applications. Bachelor's degree or equivalent in computer science or related areas, plus one to two years of effective experience.

• **Program Coordinator, College of Medicine, Elizabethtown Hospital** — Responsible for the planning, development and implementation of the spinal cord injury program which includes the overall rehabilitation for the spinal cord

injured. Bachelor's degree or equivalent in an allied health field plus two to three years effective clinical experience.

• **Chief Technologist, Night and Weekend Service, College of Medicine, Hershey** — Reports to the manager of the Clinical Laboratories and is responsible to the manager for the direction and efficient functioning of the various sections of the Clinical Laboratory on the evening and night shifts, 7 days a week. Also responsible to the director of the Clinical Laboratories for the selection of testing methods, quality control, normal ranges and other technical directions. Bachelor's degree in medical technology - MT(ASCP) and/or equivalent plus a minimum of four to seven years effective experience in a clinical laboratory.

• **Programmer/Analyst B, Management Engineering, University Park** — Apply modern, structured design and programming techniques to design and develop new programs and modify and maintain existing programs. Prepare system documentation and user operation manuals. Provide support for customer-reported operation and program problems. A bachelor's degree or equivalent in a computer related field and one to two years of effective experience in programming and systems design. The ability to communicate orally and in writing is required.

• **Development Officer, Office of Gifts and Endowments, University Park** — Report to the director of Administrative and Information Services for donor relations, including stewardship acknowledgment and other matters relating to prospects and donors. Assist in identifying individuals requiring special attention by the administration of the University. Maintain list of special prospects and donors. Develop and implement a system

of personal acknowledgment for gifts. Develop a system of personal acknowledgment for gifts. Systemize reporting on stewardship of gifts. Develop a system of visitation for special prospects and donors. Insure that Penn State communications are disseminated to appropriate prospects. This individual works closely with the vice president for development and senior staff. Bachelor's degree or equivalent in communications, marketing, or a related field plus two to three years of effective experience involving general office administrative activities and the application of verbal and written communication skills.

• **Senior Development Officer, Office of Gifts and Endowments, University Park** — Responsible to the vice president for development for raising funds from individuals who are alumni and friends of a college or campus. Identify, cultivate and solicit individuals who are interested in program areas and work with Office of Gifts and Endowments research staff in identifying such individuals. Assist the dean in identifying priority programs in need of private funding and the likelihood of receiving such support. Develop with appropriate staff proposals which represent the activities of the college. Coordinate efforts with other senior development officers. Establish annual and long range fund-raising objectives in consultation with the dean. Solicit funds when necessary and coordinate all appeals being made. Develop volunteer fund-raising structure. Bachelor's degree or equivalent in psychology, marketing, communications or related field plus three to four years of effective experience in fund-raising in a non-profit environment with evidence of skill in verbal and written communications.

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Conti, Book re-elected to Trustee posts

Walter J. Conti, owner and operator of Conti's Cross Keys Inn in Doylestown, Bucks County, has been re-elected president of the Board of Trustees for his second one-year term.

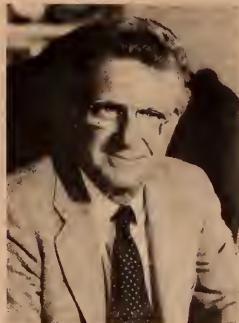
Edward R. Book, chairman and chief executive officer of Hershey Entertainment and Resort Company (HERCO) Inc., Hershey, was re-elected vice president at the Board's meeting Jan. 22 at University Park.

Mr. Conti, a member of the Board since 1974, is past president of the National Restaurant Association. He serves on the Pennsylvania Governor's Council on Physical Fitness and Sports and as a director of Big Brothers of America. In 1980, he was a delegate to the White House Conference on Small Business.

Mr. Book, in September, was named to the 1982 list of Distinguished Pennsylvanians compiled by the William Penn Committee of the Greater Philadelphia Chamber of Commerce. He is past president of the Greater Harrisburg Chamber of Commerce and serves on the board of trustees of the Harrisburg Area YMCA and as chairman of the Travel

Industry Association of America. He joined Penn State's Board of Trustees in 1977.

Nine Trustees were re-elected to the Board's Executive Committee.



Walter J. Conti

The committee handles necessary business transactions in the intervals between regular meetings of the Board. The nine are: Howard O. Beaver Jr., Reading; Edward R. Book, Hershey; The



Edward R. Book

Honorable Roger A. Madigan, Harrisburg; Stanley G. Schaffer, Pittsburgh; Obie Snider, Imier; Cecile M. Springer, Pittsburgh; William K. Ulerich, Clearfield; Helen D. Wise, Dover, Del.; and Quentin E. Wood, Oil City.

Mr. Conti and President Oswald serve as ex officio members of the Executive Committee.

President Oswald will continue as ex officio secretary of the Board, and Robert A. Patterson, vice president for investments, was re-elected treasurer.

Trustees also re-elected the associate secretary of the Board, Patricia L. Rosdil of Petersburg. Ms. Rosdil was elected to that position in 1980, after having served for four years as assistant secretary of the board. She is assistant to the senior vice president for administration. Also elected again to a one-year term was Richard H. Baker, assistant treasurer.

Grace T. Younginger, administrative assistant in the Board of Trustees office, and Mary Lou McCorkle, executive secretary to the president of the University, were re-elected assistant secretaries of the Board.

Eight graduates named 1983 Distinguished Alumni

Eight University graduates have been named Distinguished Alumni for 1983 by the Board of Trustees. The Distinguished Alumni Award is Penn State's highest honor for alumni achievement. It equals the honorary doctorate given by many institutions.

The eight join 249 other Penn State graduates who have received the Distinguished Alumni Award since it was established in 1951. The award honors outstanding alumni whose personal lives, professional achievements and community

service exemplify Penn State's objectives.

The 1983 Distinguished Alumni are:

— Richard A. Benefield, class of 1948, general manager of the Hotel Magee;
— Guion S. Bluford Jr., class of 1964, Houston, Tex., astronaut slated for a Space Shuttle mission in July;

— Frances Keesler Graham, class of 1938, Madison, Wisc., professor of psychology and pediatrics at the University of Wisconsin;

— William P. Lehrer Jr., class of 1941, North Hollywood, Calif., retired director

of nutrition and research for the Carnation Company;

— Harriet McGehee, class of 1930, West Hazleton, Pa., recipient of the Distinguished Volunteer Award of the U.S. Department of Health and Human Services;

— Murray L. Schwartz, class of 1942, Pacific Palisades, Calif., professor of law at the University of California at Los Angeles School of Law;

— Robert G. Schwartz, class of 1949, Princeton, N.J., recently named chairman

of the board of Metropolitan Life Insurance Company; and

— Henry L. Yeagley, class of 1925, Carlisle, Pa., professor emeritus at Penn State and retired Joseph Priestly Professor of Natural Philosophy at Dickinson College.

"Each of the award recipients has a long and distinguished career of public service," President Oswald told the Trustees. "All have made lasting contributions, both professionally and in other pursuits."

Trustees urged to make PSU Number One

Nittany Lion Football Coach Joe Paterno has urged the Board of Trustees to "put our energies together" to make Penn State not only Number One in football but the "Number One institution by 1990."

"I don't think that is an unfounded or way-out objective," he told Saturday's board meeting after receiving a resolution honoring him and the 1982 national championship football team.

"This is a magic time for Penn State. Dr. Oswald has said it — and I think he's probably more attuned to it than anybody — and I have felt it.

"There has never been a time when Penn State has been more united or more proud. Maybe it is unfortunate that it takes a Number One football team to do that. But I don't think we can lose the opportunity that this moment presents to us."

He said he was concerned to see in newspaper articles that some of the University's academic departments are not rated highly.

"Some of our disciplines are not rated very high and that bothers me. It bothers me to see Penn State football be Number One and then pick up a newspaper several weeks later and see we don't have many of our disciplines that are rated up there with the other institutions of the country."

"We have some excellent departments — and I know because I got out in the field — that can be absolutely outstanding in a relatively short time. We also have some departments that are absolutely lousy and we have lazy pros who are only concerned with tenure and only concerned with getting tenure for some of their mediocre colleagues. Some of these people in the latter groups

'I think I'm going to take this magic moment and stick it in a jar. We've got to preserve it until we open it up in 1990.'

... Joe Paterno

would make Happy Valley Sleepy Hollow — they are certainly not inspiring."

He outlined some of the things he said he felt the University needed.

"We need endowed chairs. We need money so that we can get some stars. We need scholarship money to get scholars who can be with the stars so that the stars will come in and have some people around them who can stimulate them and they can be stimulated by the stars.

"We need better libraries so that the stars and the scholars have the tools to realize their potential. "We need an environment of dissent and freedom of speech and freedom to express new and controversial ideas. We need more freedom; we need more people who come with different ideas; we need more minorities."

I believe, Mr. Paterno told the board, that Penn State is not necessarily all of a sudden going to come to life. "That would be an unfair criticism of all of the great things that have been done here in the 33 years I've been here. I think that Penn State is more alive today than at any time during those 33 years.

"It's well organized; it's got thrust and wants to pursue. I don't think that we're looking for bricks and

mortar or for GSA money. I think we're looking for the soul of this institution.

"We need to find our soul. We need vibrant, aggressive, brilliant teachers and scholars. We have some of them. We don't have enough of them and that's why we need chairs.

"We need to give them resources to grow and the freedom to challenge some of the old ideas and old perceptions that have made this country backward in a lot of ways and have made this state the one with the highest unemployment of any state in the northeastern part of the country."

He called for a fund drive to raise \$70 to \$100 million for academic improvements.

"As a football coach," he said, "I sit down with my staff and look at our schedule and our squad and we say 'this is what we want to do and this is what we can do.' Then we set priorities and make decisions on how we can achieve our objectives.

"It would be nice to say we can wait for three years and put together a major fund raising campaign. It can't wait. We can only hold up our finger as Number One for six more months and we have to play the game again. And we may not be Number One.

"As far as I'm concerned, we have got to raise \$70 to \$100 million in the next six months or we are going to lose some things and an opportunity that we have. How you go about raising \$70 to \$100 million is somebody else's concern. I'm going to help in any way I can.

"I think I'm going to take this magic moment and stick it in a jar. We've got to preserve it until we open it up in 1990."

From the Trustee Docket

Building projects

The Board of Trustees took action on several building projects at its Jan. 22 meeting.

Final plans for the Agricultural Arena, to be built near Beaver Stadium, were approved.

The action allows officers of the University to obtain bids and award contracts for construction of the arena, which will feature an unobstructed space of 80 by 150 feet and seating accommodations for approximately 600 persons. The building also will contain storage facilities, a small office and restrooms.

The structure was designed by the architectural firm of Dagli and Saylor of Philadelphia.

"If there are no serious delays, construction could begin sometime in the spring," said Ralph E. Zilly, vice president for business.

The Agricultural Arena is expected to cost about \$900,000, with the funds coming from private gifts. An Ag Arena Campaign Committee, comprised of alumni and friends of the University and chaired by University Trustee Obie Snider of Imler, was formed for the fund-raising effort. The Penn State Fund Council and the Ag Alumni Society also are involved.

Mr. Zilly said the arena will be used for resident instruction activities of the College of Agriculture, including events such as the annual horticulture show and various animal shows. The general agricultural community of Pennsylvania also will be able to make use of the building.

The building will be located next to the Meat Animal Evaluation Center behind Beaver Stadium. It will be adjacent to the proposed Park Avenue connector to the State College Bypass, a route that eventually could become a major access way to the University Park Campus.

"The location provides accessibility to other College of Agriculture facilities," Mr. Zilly said.

Also approved were final plans for a proposed Science and Technology

Building at the Capital Campus.

The building, designed by the architectural firm of Hayes, Large, Suckling and Fruth of Altoona and Harrisburg, will house laboratories for chemistry, physics, water resources, civil engineering materials and geology, in addition to faculty research areas, an auditorium, and classrooms.

The proposed building is designed to enhance the academic programs of Capital Campus's Division of Science, Engineering and Technology. It also will enable Capital to develop joint programs with other Penn State campuses, such as nearby York Campus and the Milton S. Hershey Medical Center.

In addition, it is aimed at providing support and trained personnel necessary to the growth of business and industry in southeastern Pennsylvania and will enable the University to offer a wider range of continuing education programs for the local region.

Preliminary plans were approved for the proposed Academic Activities Building designed by the architectural firm of Williams, Treiblock and Whitehead of Pittsburgh.

The site of the planned 50,000 square-foot building is at the corner of Bigler and Hastings roads on the University Park Campus.

"Four units of the University will share this building," says Ralph E. Zilly, vice president for business.

"The Combustion Laboratory and the Mine Electrical Laboratory — both part of the College of Earth and Mineral Sciences — will be housed there. The Theatre Arts Production Studio will use part of the structure, and the University Libraries will use some space for storage purposes."

The proposed multi-level building is designed to concentrate facilities now housed in rental space off campus or in structures at the end of their useful life, Mr. Zilly said.

The next step in the process is review by the Trustees of final plans for the building. That could come in the spring, Mr. Zilly said.

Property transfer

Trustees have approved plans to transfer 167.81 acres of University property on the east side of the University Park Campus to the Pennsylvania Department of Transportation.

The action will allow the department to complete the State College Bypass to the Benner Pike (Route 26) and to construct a connector road to Park Avenue.

"Originally, Penn State's Trustees approved the location of the Bypass across the campus in 1969 and authorized officers of the University to enter into appropriate agreements with PennDOT for the transfer of land," said George R. Lovette, associate senior vice president for finance and operations.

Later, however, it developed that the

University would have to pay excessive relocation costs for facilities and utilities. The University then requested that PennDOT review its plans.

Now, Mr. Lovette said, PennDOT has revised its design to lesser standards, has offered to provide access from Park Avenue to University facilities, and will pay all relocation costs.

"We are pleased that this agreement could be made, enabling this long-awaited project to take another step toward completion," Mr. Lovette said.

PennDOT's current plans call for bidding of the project in early summer of this year.

He said that the agreement provides for "very desirable access from Park Avenue to University facilities."

Henning Building

The Animal Industries Building at the University has been named the William L. Henning Building.

Dr. Henning, who died April 30, 1981, was professor of animal husbandry at Penn State. He served as a faculty member for 43 years and was secretary of agriculture for the Commonwealth of Pennsylvania from 1955 to 1963.

"Renaming this building in honor of Dr. Henning is a fitting way to honor a man who had significant impact on agricultural development in Pennsylvania," Richard E. Grubb, senior vice president for administration, told Trustees.

Dr. Henning joined the faculty in 1922, teaching and conducting research in his special areas of interest — sheep and animal genetics — while maintaining a

broad interest in all aspects of agriculture. Before being named secretary of agriculture, he served for several years as head of the Department of Animal Husbandry.

As secretary, he initiated the State Livestock Grading Service, strengthened the state's meat inspection program and activated efforts to stress improvement of food quality and safety. He also modernized state animal health laws and the feed regulatory program, and developed a strong marketing program for the Department of Agriculture.

Dr. Henning was recognized for his leadership by being named national chairman of the State Secretaries of Agriculture. In that post, he worked for greater uniformity of regulations governing animal health, insecticides, fertilizer and other agriculture issues.

He was instrumental in the funding and dedication of the new State Agriculture Building in Harrisburg, which houses all departments of the Department of Agriculture in one building for the first time in 70 years.

Dr. Henning also served on the University's Board of Trustees and helped obtain funding for construction of several campus facilities, including the Swine Center, the Meat Evaluation Center, the

Study lounge named

Trustees have approved naming a study lounge in Findlay Residence Hall at University Park "The George T. Clark Memorial Lounge" in honor of the University's former assistant to the dean of admissions for minority admissions.

Mr. Clark died unexpectedly Sept. 16. Minority students and others at the University have spurred the effort for a memorial in his honor.

"In one way or another, he has touched the life of every minority student on campus," one petition reads. "He was the one who gave many of us the encouragement, the persuasion and the opportunity to reap the advantages and benefits of this great institution. He has also served as a primary source of motivation to many of our black student leaders while helping to instill in them a deep sense of pride and love of Penn State."

A supporting letter from the University's Office of Admissions notes,

Teaching technique

Members of the Board of Trustees got a look at one innovative teaching technique at the University as Dr. Bruce Murphy, assistant professor of political science, and 26 of his students acted out the roles of President Ronald Reagan and his key advisers, just as they do in the classroom.

"In doing research recently on former Supreme Court Justice Abe Fortas at the Lyndon B. Johnson Library in Texas, I went through boxes of memos — tons of papers — from the Johnson Administration," Dr. Murphy said. "Later, on the plane back to Pennsylvania, he said, he thought about how he could give his students the sense of what the presidency involves on a day-to-day basis that he had felt, reading the memos. Acting out the president's job and other high-level posts seemed the natural way to do it."

This winter, Dr. Murphy has instituted that technique for the first time in a course on the U.S. presidency that he introduced two years ago. When the class is in session, he plays Mr. Reagan's role. His students become cabinet members, the budget director, presidential advisers and White House correspondents, among others.

"There can be a sterility in simply lecturing on a topic," Dr. Murphy said. "You can assign students certain books and provide them with lecture material, but it is far better, I think, to find ways to make a topic like the presidency come alive."

Major is revised

The major in business logistics at the University has been revised.

"Two existing options in the major — logistics systems and transportation management — have been eliminated," Provost Eddy told Trustees.

Purpose of the change, he said, is to provide all business logistics majors with a common core of courses determined by the business logistics faculty, to be necessary for all students in the field. Those who wish to go on to specialize in a particular area may still do so, Dr. Eddy

Beef-Sheep Center and the building which now bears his name.

After leaving state government, he returned to Penn State as chairman of the graduate program in the Animal Industry Department until his retirement in 1965.

Dr. Henning was a native of Defiance, Ohio, and was raised on a livestock farm. He earned a bachelor of science degree in agriculture at Ohio State University in 1921 and received the master of science degree in agriculture from Penn State in 1923. His Ph.D. in animal genetics was awarded by the University of Wisconsin in 1937.

"All of us who knew and worked with George have been challenged by his death to work even harder and more effectively to pursue the goals of opportunity for minority students at Penn State. The naming of the lounge in his honor would be a constant reminder to us of the increased commitment which we have made."

A native of Dayton, Ohio, Mr. Clark served in the U.S. Air Force for nine years before earning a bachelor's degree in advertising from Ohio University in 1967.

He worked as a salesman for Shell Oil Company and a salesman and marketing assistant for the Sheridan Company. He also was director of personal property taxes for Northampton County before joining Penn State as a recruiter of minority and handicapped students in 1972.

In the post he held at the time of his death, he was responsible for developing a comprehensive minority enrollment plan for the University.

The simulation method, he said, "has really worked. I have found I have to do even more reading on Reagan and his administration to keep up with my role as president. It's the high point of teaching when the students teach you."

Students in the course hold meetings outside of class and come to class well-prepared to play their respective roles, he observed. In addition, they have a full reading load with mid-term projects, a final exam and a term paper.

"It's a lot of work for me and my students. We are constantly adjusting, and as in the real world, the rules of the game are often changed. When the students lobby the President or complain about other cabinet members, I make them think about which strategies will help them get their way."

The course is open to all students above the freshman level, including graduate students, in any field of study. Dr. Murphy has received support for the research that led to his course innovations from the Provost's Fund for Academic Excellence, the dean's office in the College of the Liberal Arts and the Institute for the Arts and Humanistic Studies at Penn State.

He told the Trustees the course was a good example of the way in which classroom teaching is affected by a faculty member's research. His initial work at the Johnson Library eventually resulted in a widely acclaimed book, "Brandeis-Frankfurter Connection: The Secret Political Activities of Two Supreme Court Justices."

said.

The business logistics major leads to a bachelor of science degree in the College of Business Administration. As revised, it will focus on logistics management, transportation management, transport and logistics research and planning and regulatory functions.

Dr. Eddy said the change will not affect any existing programs in either the College of Business Administration or other colleges within the University. "No additional funds are required to make this change, which will become effective with the 1983 fall semester," he said.

From the Trustee Docket: Pattee's computerization

Board of Trustee members participated in a demonstration of the University's new computerized library system.

Dr. Stuart Forth, dean of the libraries, and members of his staff, previewed the system that will be offered this summer to all library users at all Penn State campuses except the Capitol Campus in Middletown and the Milton S. Hershey Medical Center in Hershey. In the future, Dr. Forth said, the system can be expanded to those locations.

"The system ultimately will give faculty and staff members and students at Penn State campuses access to all of the libraries' resources — books, journals, music, maps, theses, microforms and other holdings," Dean Forth told Trustees.

It also will be able to offer access to other major libraries' collections through

The Research Libraries Group, Inc., of which Penn State is a member, and professional and commercial data bases. In addition, users with their own computer terminals at home or in an office will be able to check the libraries' holdings from any location.

Although other universities have computerized systems, Penn State's is the most extensive of its kind, Gordon W. Rawlins, assistant dean of libraries, added.

The system replaces the traditional card catalog of 3- by 5-inch index cards listing all the libraries' holdings. The card catalog at Penn State was closed in January 1981. Since then, all new acquisitions as well as resources on hand have been, and are continuing to be, placed in the computer system data base.

In addition to displaying the libraries' holdings, the new system includes all the functions of a sophisticated lending service. The terminal will show the status of each item — whether it's on the shelf, checked out or on reserve, and permits a borrower to have it held until he or she is able to pick it up.

Nancy Cline, associate librarian and chief of bibliographic resources, said the system will use the same search strategies used today. Patrons won't have to learn a new system for looking up reference material or a computer language to use the computer catalog.

When the libraries' computer system is open for public use this summer, there will be 80 terminals available to users. The system can support up to 160 terminals at one time, Mr. Rawlins said, and has the capability, with additional hardware

enhancements, to handle more than that.

The system is designed for flexibility and future growth and modification, Ms. Cline said. Through the technology of personal computers, it can be tailored for a specific user.

From 1975 to the present, the University libraries have developed and implemented their computerization in-house and within the libraries' normal budget, Dean Forth said. Personnel reductions and retraining of employees made the computerization possible.

Now that the system is being expanded and access extended to the faculty, staff, students and others at the University, additional funding is needed, Mr. Rawlins said. These funds have been approved on the recommendation of the University provost and with the approval of the president.

Phi Beta Kappa visiting scholar to give lectures, meet students

Dr. Keith R. Porter will meet with faculty members and students at the University for two days as part of the Phi Beta Kappa Visiting Scholar Program.

Dr. Porter, a pioneer in the use of the electron microscope to study cells and tissues, will visit University Park on Feb. 8 and 9. He will give a public lecture on "The Cellular Basis of Coloration in Animals" at 4 p.m. Feb. 8 in Room 112 Kern Graduate Bldg.

In the lecture, he will describe chromophores, colorful cells that contain pigment granules that are pulsed from the cell center to the edges of the cell and back again to control the net color of the cell.

The lecture is sponsored by Phi Beta Kappa (Lambda of Pennsylvania — the local chapter), the Graduate School Lecture Series and the Department of Biochemistry, Microbiology, Molecular and Cell Biology.

Dr. Porter, distinguished professor emeritus of the University of Colorado,

will give a second lecture at 11 a.m. Feb. 8 in Room 101 Allhouse Laboratory. He will provide a detailed three-dimensional description of the cytoplasmic matrix.

He was the first person to publish an interpretable image of a cell made with the electron microscope in 1945. For the last 10 years, he has used the million electron volt electron microscope to study whole cells.

In 1977, he received the National Medal of Science. He has received many other awards and prizes, including the Gairdner Foundation Annual Award and the E.B. Wilson Medal. He was elected to the National Academy of Science in 1964 and is a member of the American Academy of Arts and Sciences and the American Philosophical Society.

Dr. Porter is organizer and former president of both the American Society for Cell Biology and the Tissue Culture Association. From 1975 to 1979, he was director of the Marine Biological Laboratory at Woods Hole, Mass.

WPSX airs special programs

Four Independent Learning Previews are scheduled for spring on WPSX-TV. The programs explore the kinds of courses available for those interested in independent learning.

The preview programs are hosted by Dr. Linda Ellinger, coordinator of Student and Instructional Services, and Gary Miller, assistant director for Educational Services.

The programs, which air on WPSX-TV, channel 3, are:

- *Independent Learning and You*, noon and 6:30 p.m. Jan. 26, with Barbara Van Horn of the Department of English. The program uses one independent learning course, "Exploring Language," to show how independent learning works.

- *Liberal Arts*, 10 a.m. Jan. 29, with Dr. John Romano, associate dean of undergraduate studies in the College of the Liberal Arts; Dr. Walter Donlan, professor of classics; and Dr. Joseph Faulkner, associate professor of sociology.

- *Religion Courses*, noon, 3 and 6:30 p.m. Jan. 27, with Dr. Faulkner and Dr. Gary Alexander, assistant professor of religious studies. They will discuss two new Penn State religious studies courses:

"The Religious Quest," a survey, and "Profiles of Rural Religion."

- *Credit-Free Courses*, 3 and 6:30 p.m. Jan. 28 and 10:30 a.m. Jan. 29, with Albert Vicere, assistant director of executive programs and instructor, business administration. He will talk about one credit-free course, "Personal Time Management," and Judith Rogert, a Penn State instructor, will talk about another course, "The Business of Writing."

For more information about the previews and Independent Learning, call 865-5403.

Phi Delta Kappa to hold meeting

The Penn State chapter of Phi Delta Kappa, professional education fraternity, will hold a dinner meeting at 5:30 p.m. Saturday, Feb. 5, at the Sheraton Penn State.

For information, contact Jean Howard, 401 Rackley Bldg., or Peter Irvin, vice president for programs, 865-2842.

Appointments

Dr. W. Wayne Hinish has been named associate dean and associate director of the Cooperative Extension Service. He has been serving as interim associate dean since April, 1982.

Prior to that he was assistant dean and assistant director for administration, management and training for the Extension Service. He has been a member of the faculty since 1954.

"He comes to this position with an exceptionally fine record of administrative service, more than 28 years of experience in Extension, and an in-depth knowledge of the Commonwealth and its agricultural community," said Dr. Samuel H. Smith, dean of the College of Agriculture and director of the Penn State Cooperative Extension Service.

As assistant dean, Dr. Hinish was responsible for administration in the areas of personnel, management information systems, affirmative action and other equal employment opportunity procedures, staff development and training, and short course and correspondence course programs of the Extension Service. He was formerly coordinator of Extension agronomy programs.

As coordinator of agronomy Extension programs, he brought together ag-industry representatives, farmers, government agency and extension personnel to plan and develop educational programs and publications benefiting the entire agricultural community.

Dr. Hinish developed numerous agricultural service schools held annually in eight locations within Pennsylvania. He also helped organize and was responsible

for the agronomic activities of Pennsylvania's Unit Demonstration Farm Program, a cooperative project with the Tennessee Valley Authority.

He has been a consultant to various state and county government agencies serving agriculture. His expertise was used by the Pennsylvania Department of Agriculture to help formulate new line and fertilizer laws to benefit both producer and consumer.

A native of Curryville, Blair County, Dr. Hinish graduated from Penn State in 1951 with a bachelor of science degree in agronomy. He received his master's degree in science in 1953 and his doctor of philosophy degree in 1955, also from Penn State.

Dr. Gerald Smith, professor of physics at Michigan State University, has been named professor and head of the Department of Physics. He succeeds Dr. Satoshi Matsushima, professor and head of the Department of Astronomy, who had been serving as acting head.

An internationally distinguished researcher in high-energy physics, Dr. Smith currently is spokesman for, and a major participant in, national and international collaborations at three international centers of nuclear research: Fermilab and Brookhaven National Laboratory in the U.S. and CERN in Switzerland. In 1978, he served as an associate laboratory director at the Argonne National Laboratory.

An experimentalist, Dr. Smith is primarily interested in research on quarks and gluons, the basic particles out of which all other subatomic particles are supposed to be built. He is continuing his research at the University with

experiments at CERN and Brookhaven on long-lived states of protons and antiprotons. The results are expected to shape fundamental theory on the constituents of matter and the basic forces of nature.

To aid him in this work, Dr. Smith has brought to the University a research team of ten, including faculty members, senior scientists, research associates, technicians and administrative staff members. The group is supported by an annual \$415,000 grant from the National Science Foundation. Penn State previously had no research effort in the experimental high-energy physics area.

An Ohio native, Dr. Smith is a 1957 graduate of Miami University of Oxford, Ohio. He earned his master's and doctoral degrees at Yale University, and then served as an instructor, assistant professor and research physicist at the University of California, Berkeley. He joined the Michigan State faculty as a professor in 1967.

Dr. Rodrigue Mortel has been appointed chairman of the Department of Obstetrics and Gynecology at the College of Medicine at Hershey Medical Center.

Born in Saint Marc, Haiti, Dr. Mortel holds a B.S. degree from Lycée Steno Vincent-Toussaint Louverture, Port-au-Prince, Haiti and an M.D. degree (Magna Cum Laude) from the Medical School of Port-au-Prince. After one year of training at the Hospital de la Misericorde in Montreal, Canada, he began a residency and was named administrative chief resident in obstetrics and gynecology at Hahnemann Medical College and Hospital. He then participated in a senior clinical fellowship in gynecologic

oncology there. His final post-residency training was completed with the department of surgery, gynecology service, at Memorial Sloan Kettering Cancer Center in New York.

Licensed in Haiti, New York and Pennsylvania, Dr. Mortel's first academic appointment began at Hahnemann Medical College and Hospital where he served a traineeship there. He also held positions at Hahnemann as an instructor, staff member, senior instructor and assistant professor before joining the department of obstetrics and gynecology staff at Hershey in 1972.

Since his appointment to the Medical Center staff in 1972, he has held positions as chief of the division of gynecologic oncology, and was promoted to associate professor and to full professor in 1977. In addition, he has served as acting chairman and vice-chairman of the department.

Among his achievements and awards are appointments as a visiting professor at the University of Paris; Professor "Endocrinologie de la Reproduction" at the Fondation de France and recipient of the United States Public Health Service Award to study Gynecologic Oncology.

Nationally, he is a consultant for the National Cancer Institute where he is a member of the Clinical Cancer Project Program Committee and he also is a member of the Site Visit Team, Division of Gynecologic Oncology of The American Board of Obstetrics and Gynecology.

Stanley P. Stephenson Jr., as senior research associate and associate professor of business administration at University Park, B.A., Ball State U.; M.A., Ph.D., Indiana U.

Focus on the arts

Whalum residency

A three-day residency by distinguished conductor/arranger Wendell Whalum will be jointly sponsored by the Black Studies Program, Paul Robeson Cultural Center and the School of Music Friday, Feb. 4, through Sunday, Feb. 6.

Dr. Whalum will attend classes of the Music School Friday morning. He will lead an informal discussion on black music research at 3:30 p.m. Friday in the conference room of the Paul Robeson Cultural Center.

He will give a workshop on Afro-American Choral Music at 9:30 a.m. Saturday in the Frizzell Room of Eisenhower Chapel. At 2 p.m. Saturday, he will conduct a rehearsal of the United Solo Ensemble at the Robeson Cultural Center.

At 9:30 a.m. Sunday, at the Park Forest United Methodist Church, Dr. Whalum will present a sharing at a special musical service, including performances of his works.

Dr. Whalum received a B.A. from Morehouse College, an M.A. from Columbia University, and Ph.D. from the University of Iowa (1965). He has been on the faculty of Morehouse College since 1953.

Dr. Whalum was elected to Outstanding Educators in 1970 and to the International Who's Who in Music in 1976. He served on grant selection committees for the Danforth Foundation and has received Ford Foundation grants.

Dr. Whalum has held lectureships primarily on aspects of Afro-American music at numerous institutions, including South Dakota University, Amherst College, Emory University, University of Chicago, Oberlin Conservatory, Northwestern University, New England Conservatory and Tufts University.

He has appeared as organ soloist with the Atlanta Symphony Orchestra and conducted at Lincoln Center. He performed at the White House in 1978 with Coretta Scott King, and conducted a special program honoring President Jimmy Carter as he accepted the Martin Luther King, Jr. Peace Prize in 1979.

Pianist to perform

The Artists Series will present pianist Ruth Laredo at 8:30 p.m. Friday, Jan. 28, in Eisenhower Auditorium, as part of its Music Series.

Since her debut with the New York Philharmonic, Ruth Laredo has performed around the world. In America she has appeared at Carnegie Hall, Kennedy Center, The White House and the Library of Congress. She appeared as guest artist with the Boston Symphony, Cleveland Orchestra, Philadelphia Orchestra, National Symphony, and American Symphony, among others.

Ms. Laredo is the first pianist, man or woman, to have recorded the complete solo works of Rachmaninoff. The final album of that Columbia Records project won her a Grammy nomination. Her second album was chosen "Best of the Month" by Stereo Review and Record World magazine named Miss Laredo "Best Keyboard Artist of 1980" in its classical music division. In 1978 Miss Laredo was nominated by Ladies Home Journal as "Woman of the Year."

Her 1981-82 performances included an all-Beethoven recital debut at the Kennedy Center and a Stokowski centennial performance with the American Symphony Orchestra at Carnegie Hall. In addition, she was asked to open the summer seasons for the Baltimore Symphony and the Detroit Symphony.

On Jan. 21, prior to her appearance at Penn State, Miss Laredo will play for the World Premiere performance of Peter Martin's ballet "Walzes." She will be seated center stage, with the entire ballet choreographed around her. On Feb. 4,

Miss Laredo will perform in the Library of Congress.

Her television credits include the NBC-TV network Today show and a program, devoted entirely to her, aired on the Bravo cable network.

Her program at Penn State will include Beethoven's "Appassionata" sonata, four mazurkas by Chopin, and Ravel's La Valse, among other pieces.

Nadler exhibition

"Drawings and Paintings," an exhibition of carefully controlled abstract images by Harry Nadler, is currently showing at Zoller Gallery on campus.

Mr. Nadler's work has been shown throughout the United States and in parts of Europe. He exhibited in the group showing "Arte de America y Espana" in Spain, France, Germany, Italy and Switzerland in 1963.

The 52-year-old Nadler is presently professor of art at the University of New Mexico. He has lectured and instructed at U.C.L.A., New York University, Brooklyn Museum and Wesleyan University. He is recognized in Who's Who in American Art.



Wendell Whalum

"Drawings and Paintings" will run through Jan. 30 at Zoller Gallery, open weekdays from 9 a.m. to 5 p.m. and weekends from 1 to 5 p.m.

Wind Ensemble

The Symphonic Wind Ensemble directed by Smith Toulson will present a concert featuring trombonist David Gatts at 8:30 p.m. Wednesday, Feb. 2, in the Music Bldg. recital hall.

Mr. Gatts, a faculty artist of the School of Music, will perform the Hans Ecklund Concerto for Trombone and Winds (1973). Ecklund (b. 1927) began to be recognized as a serious composer in his 30's after a promising career as a jazz musician. The Concerto is lively and compulsive, showing off the virtuosity of the performer by using extreme ranges, dynamic changes, and complex rhythms and meters.

Other works on the program include Fisher Tull's *Sketches on a Tudor Theme* (directed by James Albert), Gordon Jacso's *Original Suite*, Karel Husa's *Al Fresco* (reflecting his interest in painting), and Darius Milhaud's *Suite Française*. Milhaud wrote the Suite shortly after World War I as a gift to American band musicians. The five movements of the suite represent five regions of France where Americans fought.

Choirs in concert

The University Concert Choir and the Penn State University Chamber Choir, assisted by Musica da Camera, will present "A Pre-Valentine Celebration of Love" at 8:30 p.m. Saturday, Feb. 5, in Schwab Auditorium. The program is free

and open to the public.

Violist Raymond Page will be featured soloist in Ralph Vaughan Williams' *Flos Campi*. Other composers represented range from the Renaissance Dunstun and Lasso, through the Baroque with Handel, into the Romantic 19th century with Brahms, ending in the 20th century with Holst and Barber.

The Chamber Choir is a select 25-voice group composed of students ranging from freshmen to graduate students, about half music majors. The Concert Choir is a 54-voice ensemble selected by audition from over 150 applicants. It also includes students of all class standings and from throughout the University.

Cello recital

The School of Music will present graduate cellist Walter Ewanowicz in a recital of unaccompanied cello works as part of its Common Hour series at 1 p.m. Thursday, Feb. 3, in the Music Bldg. recital hall. Mr. Ewanowicz will play J.S. Bach's *Suite in G major*, Hindemith's *Sonata* (1923), and Lutoslawski's *Sacher Variation*.

Australian ensemble

The School of Music, the Institute for the Arts and Humanistic Studies, and the Australian Studies Center will present a two-day residency of Australia's leading contemporary music ensemble, FLEDERMAN.

As part of the School of Music's Common Hour series FLEDERMAN will present a masterclass at 1:00 p.m. Tuesday, Feb. 8, in the Music Bldg. recital hall.

At 8:30 p.m. Wednesday, Feb. 9, the group will perform a program of recently commissioned works by Australian composers. Both events are free and open to the public.

FLEDERMAN was formed as a duo in 1978, and now comprises six core members. During January and February of 1983, FLEDERMAN Quartet (flute, trombone, percussion and keyboards) will tour North America. The group will present concerts, workshops and seminars on college campuses and in concert halls across the continent, featuring recently commissioned Australian music. The tour will encourage the dissemination of Australia's recent musical developments, and initiate an interactive exchange in ideas of musical and cultural importance.

In a search for new repertoire FLEDERMAN hopes to establish contact with a wide range of American composers and looks forward to American performers in turn developing a greater interest in Australian music.

Oscar Wilde comedy

On the week of the 88th anniversary of its premier, one of the most frequently produced plays ever written will come to life on the stage of the Pavilion Theatre as the University Resident Theatre Company presents the Oscar Wilde comedy *The Importance of Being Ernest*.

The play will be presented Feb. 16-19 with evening performances at 8 and Saturday afternoon at 2:30.

The Importance of Being Ernest, a comedy of British manners, goes beyond the realm of parody. It is often argued that Wilde was not poking fun at the behavior of the upper class, but rather presenting a laughable tribute to a way of life he himself envied.

Stephen Hancock, a third year graduate student who is directing the play as part of his MFA degree requirements, describes it as "Oscar Wilde's version of 'Fantasy Island.'" It is a wish fulfillment play, a fairy tale," he says. "Everyone gets his or her wish in the end."

The play has all the elements of a classic comedy. Characters unseat their wit and advance upon one another, pausing only to regroup in the confusion brought on by mistaken identities and generation gaps. Described by Wilde as "a trivial play for serious people," *The Importance of Being Ernest* is a delightful view of absurd

action taking place in an elegant atmosphere.

There has been a strong advance sale of tickets for the limited engagement and persons wishing to insure their admission are advised to contact the URTC box office in the Arts Building as soon as possible. The box office hours are 11:30-8:30 daily. Information and reservations may be obtained by calling 865-1884.

Luncheon lectures

Brown Bagging at the Museum of Art is the title of a series of lunch-time, informal, public lectures being offered under the sponsorship of the Friends of the Museum of Art.

The lectures have been scheduled for 12:10-12:50 p.m. the fourth Thursday of each month through April. The first program will be presented today and will feature members of the Museum staff speaking on the Jerome Witkin exhibition currently on view.

In addition to staff and faculty speakers, the series is expected to use the expertise of the docents, the specially trained volunteer guides at the Museum, as leaders.

The Brown Bagging series is the second public lecture service offered by the Friends. For several years the group has sponsored gallery talks on a wide variety of topics by visiting and resident experts.

"Most of the Gallery Talks are scheduled for mid-morning times. We thought that a lunch-time series, informal in approach, might be a good service for working people and students in particular, for whom attendance at other times of the day is inconvenient," says Ann Barnes, who chairs the Brown Bagging series for the Friends.

"We're hoping that people will bring a sandwich, have a cup of coffee or tea on us, and spend a few minutes learning about the Museum."

The Friends of the Museum of Art is an independent group that supports Museum activities. Information about the organization or any of its programs may be obtained at the Museum or by calling (814) 865-7672.

Concert canceled

The benefit concert for the School of Music's Musica da Camera and the Chamber Choir originally scheduled for 7:30 p.m. Sunday, Feb. 20, has been canceled. It will not be rescheduled.

Computer graphics talk

Dr. Kellogg Booth, director of the Computer Graphics Laboratory of the University of Waterloo, will offer a seminar that will cover the state of the art in computer graphics with particular emphasis on projects in process at Waterloo, including computer animation, dance choreography, document preparation systems and three dimensional modeling.

The seminar, sponsored by the College of Arts and Architecture, will be held at 8:30 a.m. Friday, Feb. 4, in 212 Chambers Bldg.

In addition to the seminar, Dr. Booth will offer a "show and tell" session at 2:30 p.m. Saturday, Feb. 5, in 212 Chambers.

For further information, contact Professor William Crockett at Eisenhower Auditorium, 863-0388.

'The Tempest' opens

The University Resident Theatre Company is presenting William Shakespeare's "The Tempest" through Jan. 30 and Feb. 2-5 in the Playhouse Theatre on the University Park Campus.

Information about, and tickets for, the URTC production of "The Tempest" may be obtained at the URTC box office in the Arts Building. Phone 865-1884.

University Park Calendar

January 27- February 10 Special Events

Thursday, Jan. 27

Schilling seminar meeting, dinner at 6 p.m., followed by discussion, 7:15 p.m., Gilpin Room, Nittany Lion Inn. Marlene Cushman on "Heidegger and Theology: Thought and Faith in the Language of the Parable."

Friday, Jan. 28

Shaver's Creek Nature Center, Adventure Series, continues through Jan. 29. Registration and information: 288-5872. Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. James Miller, business logistics, on "Public Transportation in Small Towns and Rural Communities." Cinematheque, *Life of a Woman (Othello)*, 7 and 9:30 p.m., HUB Assembly Room. Also Jan. 29.

Sports: women's gymnastics vs. Oklahoma State, 8 p.m.; men's gymnastics vs. Indiana State, 8 p.m.
CSA Coffeehouse, 8 p.m., 102 Kern.
Artists Series, Ruth Laredo, pianist, 8:30 p.m., Eisenhower Auditorium.

Saturday, Jan. 29

Sports: women's fencing vs. California State (PA), Cornell, Indiana (PA), James Madison and William Patterson, 9 a.m.; men's volleyball, Nittany Lion Invitational, 9 a.m.; men's basketball vs. Massachusetts, 1:30 p.m.
France-Cinema, *Kurys, Cocktail Molotov*, 7 and 9 p.m., 112 Kern. Also Jan. 31.

Sunday, Jan. 30

Sports: men's swimming and diving vs. Harvard, 1 p.m.; women's basketball vs. Tennessee, 3 p.m.; men's volleyball vs. Ohio State, 7 p.m.

Monday, Jan. 31

First day for signing Spring Term NDLS and University Long Term Loans, 108 Shields. Learning and Telecommunications Services, screening of award-winning videotapes from 1982 American Film Festival, HUB Reading Room. Continues through Feb. 4. For titles and times, call 865-2402.
Shaver's Creek Nature Center, Tracks and Traces Walk, 2 p.m., Nature Center.

Tuesday, Feb. 1

American Red Cross, Bloodmobile, 10 a.m.-4 p.m., HUB Ballroom. Also Feb. 2.
University Senate meeting, 1:10 p.m., 112 Kern.
Paul Robeson Cultural Center, Roots, Parts VIII, IX and X, 7:30 p.m., Walnut Edg.
Shaver's Creek Nature Center, Armchair Naturalists - The Unendangered, 7:30 p.m., 272 Rec Hall.
Algria Bendelac, poetry reading in French, 7:30 p.m., 124 Sparks.

Wednesday, Feb. 2

Women Artists Film Series, *Spint Culler - The Art of Relye Saar*, 12:15 p.m., Zoller Gallery.
Sports: women's basketball vs. West Virginia, 7:30 p.m.
Wind Ensemble concert, 8:30 p.m., Recital Hall.

Thursday, Feb. 3

Personal Tax Planning Seminar, Keller Conference Center. Also Feb. 17-19.
For information and registration, call 865-4591.
Sports: wrestling vs. Wilkes, 8 p.m.

Friday, Feb. 4

Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. Robert O'Connor, political science, on "The SEVEN Project: Excursions into Venezuelan Politics." Cinematheque, *Gate of Hell*, 7 and 9 p.m., HUB Assembly Room. Also Feb. 5.
Sports: men's volleyball vs. USSR All-Stars, 7 p.m.
CSA Coffeehouse, 8 p.m., 102 Kern.
Artists Series, The New Vic Theatre of London, *Canterbury Tales*, 8:30 p.m., Eisenhower Auditorium.

Saturday, Feb. 5

Shaver's Creek Nature Center, Children's Birding Workshop, 9 a.m., Nature Center. Also Feb. 12, 19.
Sports: women's swimming and diving vs. Princeton, 1 p.m.; men's basketball vs. Navy, 1:30 p.m.; men's gymnastics vs. Nebraska, 8 p.m.
France-Cinema, *Piaf, Loulou*, 7 and 9 p.m., 112 Kern. Also Feb. 7.

Concert and Chamber Choirs concert, 8:30 p.m., Schwab.

Sunday, Feb. 6

Shaver's Creek Nature Center, Evergreen Walk, 2 p.m., Nature Center.

Monday, Feb. 7

Late drop deadline.
Last day for signing Winter Term NDLS and University Long Term Loans, 108 Shields.
Comp. Lit. Luncheon, 12:15 p.m., 101 Kern.
Gerhard Strasser, German, on "Interrelations among Author, Illustrator and Printer: Discoveries in 17th Century Manuscripts."

Tuesday, Feb. 8

Paul Robeson Cultural Center, Roots, Parts XI and XII, 7:30 p.m., Walnut Edg.
Artists Series film, *The Magic Flute*, with Hagan Hagedard as Papageno, 8 p.m., Eisenhower Auditorium.
Public lecture, 8 p.m., 112 Kern. Margaret W. Conkey, S.U.N.Y., on Artforms of the Paleolithic Period.



"The Artist at 38" (1978) is a self-portrait in oil on canvas by Jerome Witkin. An exhibit of the artist's work, "Jerome Witkin - Paintings and Drawings - A Decade of Work," is on display in the Museum of Art. The exhibit surveys 10 years of the artist's work through a selection of portraits, self-portraits and still-life, landscape and other paintings on special topics.

Wednesday, Feb. 9

Noonline Entertainment, Wheelstone Run, Kern Lobby.
Women Artists Film Series, Mary Cassatt: *Impressionist from Philadelphia*, 12:15 p.m., Zoller Gallery.
Sports: women's gymnastics vs. Nebraska, 8 p.m.
Flederman Ensemble concert, 8:30 p.m., Recital Hall.

Thursday, Feb. 10

Center for Rural Women meeting, 10 a.m., 101 Kern.

Seminars

Thursday, Jan. 27

Nursing, 12 p.m., 101 Human Development
East, Jim Garbano, individual and family studies, on "Perspectives on the Family: Responsibilities for Socialization."
Chemistry, 12:45 p.m., 55 Osmond. Tobin J. Marks, Northwestern Univ., on "New Stoichiometric and Catalytic Activated Organometallic Chemistry."
Aesthetics, Criticism and Interpretation Theory, 3:45 p.m., 221 Chambers. William Hanson,

visual arts, on "Photography as Experiencing Mind."
Acoustics, 4 p.m., 351 Willard. Lynn Rubin, communication disorders, on "Deafness and Hearing Ear Dogs."
Mathematics, 4 p.m., 102 McAllister. Andrew Gleason, Harvard Univ., on "The Prime Number Theorem."
Earth and Mineral Sciences, 7:30 p.m., 112 Walker. Susan Rambrink, Australian National University and Fulbright Scholar, mineral economics, on "Australian Mineral Resource Policy."

Friday, Jan. 28

Analytical Chemistry, 10 a.m., 55 Osmond.
John W. Stahl on "Lewis Acid-Base Chemistry and Enthalpic Analysis of Polyoxides."

Monday, Jan. 31

Plant Pathology, 3:45 p.m., 213 Buckhout. C. H. Kingsolver on "Biological Control of Plants."

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Scordas, Univ. of Hawaii, on "Distribution of Zeros of Entire Functions and Polynomials."
Acoustics, 4 p.m., 351 Willard. Dave Swanson on "Adaptive Signal Processing and Its Applications to Acoustics."

Friday, Feb. 4

College of Arts and Architecture, 8:30 a.m., 212 Chambers. Kellogg Booth, Univ. of Waterloo, on the state of the art in computer graphics.
Analytical Chemistry, 10 a.m., 55 Osmond. Jonathan Talbot on "Square-Wave Pulse Voltammetry."

Monday, Feb. 7

Plant Pathology, 3:45 p.m., 213 Buckhout. Daniel Small on "Potential Sources of Ecological Control for Soil-Borne Plant Pathogenic Fungi."

Tuesday, Feb. 8

Organic-Inorganic Chemistry, 12:45 p.m., 55 Osmond.
Water Pollution Control, 2:20 p.m., 267 Willard. Robert L. P. Kleinmann, U.S. Bureau of Mines, on "Controlling Acid Mine Drainage."
Materials Science, 4 p.m., 112 Walker. M. Blumenlhal on "New Carbonation Chemistry in Polymer Synthesis"; P. Ariagada on "Roasting of Auriferous Pyrite and Arsenopyrite."

Thursday, Feb. 10

Nursing, 12 p.m., 101 Human Development. East, Victor Levine, education, on "Perspectives on the Family: Responsibilities for Socialization."
Chemistry, 12:45 p.m., 55 Osmond. George C. Schatz, Northwestern Univ., on "Chemical Reaction Rates from First Principles: Applications to Combustion Theory."
Aesthetics, Criticism and Interpretation Theory, 3:45 p.m., 221 Chambers. Cynthia Taylor, visual arts, on "Visionary Transformations and the Work of El Greco."
Acoustics, 4 p.m., 351 Willard. Ronald Hoodin on "Assessing Velopharyngeal Valving in Hearing-Impaired Speakers by Means of Nasal Air Flow Rates."
Mathematics, 4 p.m., 102 McAllister. Hugh Woodin, Caltech and Harvard, on "Weakly Homogeneous Trees."

Exhibits

Chambers Gallery

Gallery Hours: Monday through Friday, 8 a.m.-10 p.m.; Saturday and Sunday, 10 a.m.-6 p.m.
Didactic Children's Drawings, curated by Dr. Brent Wilson, opens Jan. 31.

Kern Gallery

Kern Hull, pen and ink drawings, through Jan. 28.
Walter Shroyer, paintings and prints, opens Feb. 1.
Tom Laser, woodturner, opens Feb. 1.

Museum of Art

Museum Hours: 11 a.m.-4:30 p.m. Closed Mondays. Tours, Sundays, 1:30 p.m.
Chinese Jade Carvings from the Collection of Dr. and Mrs. Harold L. Jenkins, through Jan. 31.
Jerome Witkin - Paintings and Drawings: A Decade of Work.

Pattee Library

Lending Services: Dave Teplica, photos, through Jan. 31. Robert Wilder, drawings, opens Feb. 1.
East Corridor Gallery: Renee Jacobs, photos, through Jan. 31. Ron Erwin, medical illustrations, opens Feb. 1.
Rare Books Room: Dorothy Roberts. An exhibit relating to a reading of her recent works.

Visual Arts Bldg., Zoller Gallery

Gallery Hours: Monday through Friday, 9 a.m.-5 p.m. Saturday and Sunday, 1-5 p.m.
Harry Nadler: Paintings and Drawings, through Jan. 30.
Tod Savinar: Installations, opens Feb. 3.

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William E. Campbell, Jr., Editor
Deborah A. Benedetti, Assistant Editor
Calendar Editor - 865-2501

Partings



Maxine Johnson

Maxine Johnson, secretary in the College of Engineering, has retired after 22 years of service.

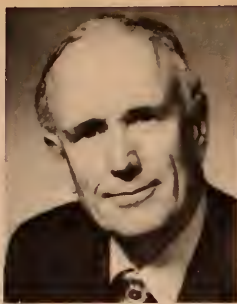
Ms. Johnson joined the University in 1951 as a clerk-typist in the College of Agriculture. After leaving the University for a period, she returned in 1954 as a technical secretary in the College of Chemistry and Physics.

Ms. Johnson continued her secretarial work in the departments of electrical engineering and chemical engineering, despite brief absences, before joining the Dean's Office of the College of Engineering.

Dr. Philip L. Walker, Jr., Evan Pugh professor of materials science and chairman of the Fuel Science Program in the Department of Materials Science and Engineering, retired Jan. 11 after serving more than 30 years on the University faculty.

Dr. Walker joined the faculty in 1950 as an instructor in fuel technology, and, by 1955, had advanced to full professor. He was named an Evan Pugh Professor in 1974 in recognition of his research and teaching achievements.

He served as head of the Department of Fuel Technology in the College of Earth and Mineral Sciences from 1954 to 1959; as chairman of the college's Mineral Technology Division from 1959 to 1964;



Dr. Philip L. Walker, Jr.

head of the college's Department of Material Sciences from 1967 to 1978; chairman of the Polymer Science Section in that department from 1972 to 1976; and chairman of the Fuel Science Program in the department since 1977.

He served as national lecturer for Sigma Xi in 1961; as distinguished speaker for the American Ceramic Society in 1978, and as George Grafin Memorial Lecturer for the American Carbon Society in 1980. In 1969, he received the American Chemical Society's Henry H. Storch Award for distinguished contributions to the science and utilization of coal, and, in 1971, the American Carbon Society's George Skakel Memorial Award for contributions influencing the progress of the science and technology of carbon materials. Last September he received a citation from the British Joint Carbon Committee acknowledging his extensive and fundamental contributions made to carbon science over many years.

Dr. Walker served as chairman of the American Carbon Society from 1967 to 1971 and secretary-treasurer from 1971 to 1981; as associate editor of the journal *Carbon*, from 1964 to 1981, and editor of the *Chemistry and Physics of Carbon*, from 1965 to 1981; and was a member of the editorial board of *Fuel* from 1970 to 1981.

He is the author of about 250 technical papers and articles and has been thesis adviser for about 60 graduate students.



Dr. John O. Almquist

His research interests have been in the areas of coal conversion processes; physical and chemical properties of coal; formation, structure, and reactions of carbons and graphites; heterogeneous reaction kinetics, and catalysis.

Dr. Walker and his wife, Virginia, plan to continue making their home in State College.

Some people would say that Dr. John O. Almquist's life has been a lot of bull, and they are right. Dr. Almquist, who retired Jan. 1 as professor of dairy physiology after 39 years service, has become a world-renowned expert in the physiology of bulls and a pioneer in artificial insemination.

Procedures he has advanced have saved farmers millions of dollars and dramatically improved the fertility rate in dairy breeding programs. Many techniques developed by him for cattle have been applied to other species — including humans.

Dr. Almquist's early work on the addition of antibiotics to bull semen resulted in substantial increases in breeding efficiency. This, coupled with his achievements in developing methods for processing, freezing and thawing of frozen semen, significantly enhanced the practical utilization of artificial insemination in the livestock industry.

He was instrumental in the conception,



Dr. Helen Snyder

planning and establishment of the Dairy Breeding Research Center where his research on the reproductive capacity of dairy and beef bulls and semen processing and handling has been conducted. He has published over 250 papers in the scientific and popular press.

Dr. Almquist is the recipient of numerous awards, including the prestigious Wolf Foundation Prize in Agriculture which he shared with Dr. Glenn W. Salisbury (University of Illinois) and Dr. Henry A. Lardy (University of Wisconsin). The three scientists shared the \$100,000 prize.

Dr. Almquist, born in Nebraska and raised on a dairy farm in western New York, received his B.S. degree from Cornell University. He earned his M.S. degree from Purdue University and his Ph.D. from Penn State. He and his wife Norma are the parents of two daughters and a son.

Dr. Helen Snyder makes no promises that her life in retirement will be any less eventful than her more than 24 years at Penn State.

"I began teaching 40 years ago, and I think that's enough," she says. "Now, among other things, I am going to get into politics. Not run for office . . . probably work at the local committee level."

(Continued on page 7)

Penn Staters

Dr. Albert A. Anderson, associate professor of art education, has two works in metal included in the 35th Annual Ceramic, Sculpture and Craft Show of the Butler Institute of American Art, Youngstown, Ohio. The exhibition will continue through Feb. 27.

Dr. Richard Chait, associate provost, was the keynote speaker and "Scholar-in-Residence" at the biennial retreat of the faculty of San Francisco State University. He discussed "Faculty Leadership in an Era of Financial Hardship."

John Cook, professor of art, has been appointed by the General Secretariat of the Federation Internationale de la Medaille in Paris to serve as the Federation's representative in the United States. As director of the U.S. Delegation, he will arrange the selection of work from sculptors and medalists throughout this country to be shown at the Federation's next congress in Florence, Italy, in October. Mr. Cook, the first artist to hold the position in this country, also will lecture to the organization, which is comprised of delegates from all major countries.

Dr. Peter Gould, professor of geography, has been awarded the honorary degree, *Docteur Honors Causa*,

by the Louis Pasteur University in Strasbourg, France. He was cited by the French university as a researcher, author, and teacher "whose pioneer research on the perception of space, mastery of a variety of applications of contemporary numerical methods, and remarkable qualities as a teacher have inspired a generation of geographers in the United States and a number of foreign countries to the renewal of their discipline."

Dr. Henry J. Hermanowicz, dean of the College of Education, has been reappointed to a second three-year term on the Policy Council for the National Teacher Examinations developed by the Educational Testing Service of Princeton, N.J.

Dr. Charles L. Hosler, dean of the College of Earth and Mineral Sciences, has been elected chairman of the board of trustees of the University Corporation for Atmospheric Research. The corporation, a consortium of 48 educational institutions with doctoral programs in the atmospheric sciences and two research organizations, provides major facilities for atmospheric research and fosters the advancement of the atmospheric, oceanographic, and hydrological sciences.

Two faculty members in the

Department of Biochemistry, Microbiology, Molecular and Cell Biology have been selected for national research awards by the American Heart Association. Dr. Kenneth A. Johnson, assistant professor of biochemistry, and Dr. Robert A. Schlegel, associate professor of molecular and cell biology, have been named American Heart Association Established Investigators and will receive grants to support parts of their research programs for five years beginning July 1.

Dr. Johnson will apply the award to his study of the motion of cilia, hairlike structures which line the inner surfaces of many human organs, where their waving motion plays a vital part in a wide range of life processes from conception to respiration. Dr. Schlegel will apply his award to research on leukemic cells and on red blood cells from people with diseases that give these cells a characteristic abnormal shape.

Dr. L.A. Morley, professor of mining engineering, has been elected 1983 chairman of the Standards Department of the Industrial Applications Society of the Institute of Electrical and Electronics Engineers. The Department is responsible for all standards activity for the Society.

Charles H. Naginney, director of management services, has been elected

secretary/treasurer of CAUSE, the Professional Association for Development, Use, and Management of Information Systems in Higher Education.

Dr. Stanley F. Paulson, dean of the College of the Liberal Arts, has been elected chairman of the board of directors of the Association of American Colleges. The AAC, founded in 1915, promotes liberal learning throughout American higher education. It provides services, reports and publications to the 575 public and private colleges and universities that comprise its membership.

Bruce Shobaken, professor of art, and Diane Pepe, associate professor of art, were among six artists to exhibit their work at the Stockton State College Art Gallery.

Dr. William A. Steele, professor of chemistry, has been named visiting fellow at the Australian National University, Canberra, where he will lecture at the Fifth Australian Summer School in Theoretical Chemistry and at a conference on solvation. He also has been appointed to a three-year term on the Area Subcommittee (Germany — Austria) of the Senior Research and Lecturing Program of the Fulbright Grant Program.

Partings

Her life will be considerably different in another way, however; she'll be a lot warmer. The former (and first woman) chairman of the University Faculty Senate will move to Rio Rico, Ariz., about 45 miles south of Tucson and just north of the Mexican border, this spring.

Dr. Snyder retired as associate professor of educational psychology Jan. 1. She was a member of the committee, jointly appointed in 1973 by President Oswald and then-Senate chairman Ernest Bergman, to draw up a proposal for joint administrative faculty governance of the University. As the next Senate chairman, she was responsible for coordinating the various committees of the Senate as they deliberated on the 35 proposals in the committee report. The best known of these evolved into P-25, the policy on promotion and tenure.

Dr. Snyder was Senate chairman during 1974-75, following more than 14 years of service in the Senate, including a term as secretary from 1969-70. She came to Penn State in 1958 from the University of Illinois, where she had earned a Ph.D. in educational psychology. Her master's degree in history is from Colorado State College. She holds bachelor of arts and bachelor of science degrees in history from Kansas State Teachers College.

Prior to joining the University faculty, she had been a teacher and counselor in the Kansas and Illinois public schools for 13 years.

During 1972-74, Dr. Snyder was acting assistant dean for undergraduate education in the College of Education. During 1977-78, she was coordinator of the basic skills program.

She names her work at these two posts, her experiences as Senate chairman, and her visits in various capacities to all of the University's Commonwealth Campuses as some of her best memories at Penn State.

William F. Johnstone, professor of agricultural economics Extension, retired Dec. 31 after 34 years service.

He served as Extension marketing program leader and dairy marketing specialist in the Department of Agricultural Economics and Rural Sociology.

Professor Johnstone earned a bachelor of science degree from the University of Kentucky and master of science degree from the University of Illinois.

He has been involved in numerous statewide and county Extension events including over 3,000 meetings and clinics

(Continued from page 6)

in the field of marketing and economics. He also has served as editor of *Pennsylvania Farm Economics* and while on leave to the U.S. Department of Agriculture, authored *The Dairy Market Handbook* used in Extension dairy marketing programs throughout the United States.

Professor Johnstone is a co-author of two books: *Profitable Roadside Marketing and Measuring Labor Performance in Fluid Milk Plants* and served as contributing editor of *The American Peoples Encyclopedia*. He was chairman of the American Marketing Association's Agriculture Committee and was on the editorial review board of the *Journal of Marketing*.

May H. Haines, secretary in the Graduate School, retired Jan. 1 after 23 years of service.

Previously employed in the Office of Student Aid, Mrs. Haines joined the Graduate School staff in 1967. Her duties included supervising and training the clerical staff.

Mrs. Haines, a resident of State College, plans to spend her free time gardening, sewing, and enjoying her two grandsons.

Veren M. Peters, group leader, driver, and service attendant in the Office of Business Services, retired Jan. 1.

During his 30 years at the University, Mr. Peters has had many opportunities to meet a variety of people. And, according to him, that was the best part of the job. "It's the people that you meet; they're real nice."

Mr. Peters, who lives in Bellefonte, plans to spend his free time hunting, fishing, and remodeling his home.

Robert R. Williams, maintenance worker in the Office of Physical Plant, retired Jan. 1 after 29 years of service.

"Penn State was a good place to work and I'm glad they won the National Championship," he says, "but I'm going to enjoy relaxing for awhile."

A resident of State College, Mr. Williams will keep busy gardening and tending to matters around the house.

Arthur B. Stoner, farm machine operator in Agriculture, retired Jan. 1 after 34 years of service.

A resident of Centre Hall, Mr. Stoner plans to spend his free time remodeling his house and helping his father cut wood.

Mahlon A. "Major" Tressler, service helper with the Nittany Lion Inn, recently retired after 27 years of service with the University.

Mr. Tressler, R.D. #1, Spring Mills, spent all but two years of service with the Inn performing many duties, including assisting with banquets.

Dr. Edwin L. Cooper retired Jan. 15 with the rank of professor emeritus of zoology after 26 years on the University faculty.

A specialist in the study of fish, especially trout, Dr. Cooper and colleagues produced the first computerized data bank on the fish of Pennsylvania. They also assembled and preserved the only recent collection of the State's fish.

Dr. Cooper joined the Penn State faculty as an associate professor in 1956 after serving as chief aquatic biologist at the Wisconsin Conservation Department and as director of the Pigeon River Trout Research Area in Michigan. He was promoted to professor in 1962.

Active in numerous professional organizations, Dr. Cooper served as president of the American Institute of Fisheries Research Biologists from 1968 to 1970 and as president of the American Fisheries Society in 1971. He is the author of numerous publications in scholarly journals and of the book, *Fisheries of Pennsylvania and the Northeastern States*.

Dr. Cooper, a native of Utica, Michigan, earned his bachelor's, master's and doctoral degrees at the University of Michigan. He has been honored with the Professional Conservationist Award of Trout Unlimited and is a member of Phi Sigma, Society of Sigma Xi, and Phi Kappa Phi honorary societies.

In retirement, Dr. Cooper expects to continue research on the distribution of freshwater fishes and expand the fish collection to areas outside Pennsylvania.

After 25 years of service, Marietta Fogelman retired Jan. 20.

Ms. Fogelman, a residence hall worker for the last 20 years, joined the University staff as a counterwoman at the Hetzel Union Building. She also worked with the Associated Student Activities office.

She began working as a residence hall worker in North Halls in 1962, and has since worked in Center, Pollock, South and East Halls.

Caroline E. Heneks, sterilization attendant at Hershey, from June 19, 1972, to Jan. 22.

Promotions

Staff Exempt

Anthony P. Decrappe to senior auditor in Controller's Office.

Mary H. Dunkle to assistant director for public information and relations/manager, news bureau in Public Information.

Herman Haas to assistant manager, environmental health at Hershey.

Erick P. Kershner to assistant manager, printing services at Hershey.

Pamela J. Kochel to project assistant at Hershey.

Adele M. McCormick to dining hall supervisor in Housing and Food Services.

Staff Non-Exempt

Patricia M. Dolan to licensed practical nurse-meds at Hershey.

Debra N. Frey to licensed practical nurse-meds at Hershey.

Barbara J. Ormsby to administrative aide in Intercollege Research Programs.

Janet E. West to licensed practical nurse-meds at Hershey.

Clerical

Linda Armstrong to secretary B in Human Development.

Juliet Anne Avery to secretary B at Worthington Scranton.

Charles M. Behrer, seed service and agronomy technician in Agriculture, from July 1, 1968, to Jan. 19.

Paul F. LaPorte, storeroom mail clerk in Commonwealth Educational System, from Sept. 16, 1968, to Jan. 18.

Helen N. Pool, secretary in Commonwealth Educational System at Wilkes-Barre, from Nov. 1, 1966, to Jan. 8.

Ruth R. Smith, food service worker, Housing and Food Services, from Jan. 8, 1973, to Jan. 8.

Florence M. Houston, food service worker, Housing and Food Services, from Sept. 25, 1964, to Jan. 8.

Dr. Edward V. Ellis, associate dean for Continuing Education and Commonwealth Campuses and associate professor, College of Human Development, from Aug. 1, 1969, to Jan. 1.

Dorothy C. Erickson, residence hall worker, Housing and Food Services, from Jan. 4, 1966, to Jan. 1.

Hayes Gensimore, janitorial worker, group leader, Utility, Physical Plant, from Oct. 1, 1963, to Jan. 1.

Maude B. Hazzard, janitorial worker, Physical Plant, from Nov. 20, 1972, to Jan. 1.

Pamila D. Imbrock, secretary, Liberal Arts, from Sept. 25, 1972, to Jan. 1.

Harvey J. Knepp, mechanic, Physical Plant, from Aug. 1, 1964, to Jan. 1.

Mahlon A. Quick, electrician, Physical Plant, from Dec. 18, 1972, to Jan. 1.

Dr. Richard F. Stouffer, professor of plant pathology, College of Agriculture, from Aug. 1, 1965, to Jan. 1.

Charles R. Blunt, assistant director systems development, Management Services, from Aug. 1, 1970, to Dec. 30.

Jeanie Ghaner, secretary, Continuing Education, from June 29, 1970, to Dec. 30.

Theresa A. Novak, associate director of undergraduate admissions from Jan. 1, 1972, to Sept. 30, 1975, from Nov. 3, 1975, to Aug. 30, 1976, and from April 1, 1977, to Dec. 30.

Elizabeth Bailey to cashier, check cashier at Bookstore.

Tracy L. Bock to clerk, transcripts A in Registrar.

Cindy M. Boob to secretary B in Human Development.

Kay Burd to secretary B in Vice President (for Undergraduate Studies).

Pauline R. Clark to clerk typist A in Earth and Mineral Sciences.

Donna M. Fuller to secretary B in University Scholars Program.

Jennifer L. Kellerman to correspondence typist A in Student Affairs.

Colleen Malloy to clerk, accounting A in Housing and Food Services.

Jean M. Rose to secretary A in Business Administration.

Karen M. Sampsel to secretary A in Student Administrative Services.

Flora Belle C. Thomas to clerk typist A in Science.

Carol A. Walker to secretary A in Undergraduate Admissions.

Mary L. Zeigler to secretary A in Business Services.

Technical Service

Sylinda A. Cole to sales attendant in Housing and Food Services.

Thomas M. Freiling to maintenance worker (general) B at Ogontz.

Wayne Shirk to electrician A in Physical Plant.

Obituaries

Theodore R. Wance, janitor and floor worker in Physical Plant from Sept. 1, 1962, until his retirement July 1, 1969, died Jan. 11 at the age of 78.

Arlene DeLallo, residence hall worker in Housing and Food Services from July 6, 1959, until her retirement Jan. 10, 1976, died Jan. 9. She was 69.

Frances M. Reinwand, photostat operator in Pattee Library from Aug. 1, 1941, until her retirement Oct. 1, 1959, died Jan. 9 at the age of 88.

Funding Sources

UN20-2 The 1983 NASA-ASEE Summer Faculty Fellowship Program has a Feb. 1, 1983, application deadline. The ten-week appointments are available at one of seven educational institutions offering aeronautics and space research programs. Stipends are \$600 per week and 100 fellowships will be awarded. For information about the program and for all application material call (202-745-3616) or (202-293-7000). (Ref. NASA-ASEE announcement) (File 1500-4)

(1982-3) The ONR Graduate Fellowship Program (in collaboration with ASEE) has a Feb. 15, 1983, deadline date. U.S. citizens who will receive their baccalaureate degree in 1983 or who have not attended graduate school since obtaining that degree are eligible. In the second year of the fellowship, research required for the doctorate is supported in the fields of: electrical engineering, computer science, naval architecture and ocean engineering, materials science, applied physics, aerospace mechanical engineering, and physical oceanography. (Ref. ASEE announcement) (File 1330-6). For more information, call 865-1375.



President Oswald purchases the first ticket for the fifth annual Interfraternity Council Dance Marathon kickoff dinner to be held Tuesday, Feb. 1, from Jim Krusz. With them are, from left, Maurice Di Mino, Junko Nakada, Janet Sorino, John Hishita and Jon Kaplan. Proceeds from the dinner and the Dance Marathon, scheduled for Feb. 4, 5 and 6, go to the Four Diamonds Fund at the Milton S. Hershey Medical Center.

Employees give record amount to United Way

Penn State employees at 22 campuses gave a record \$207,677 to United Way agencies throughout the state during the 1982 fall fund-raising campaign. The total exceeds last year's contributions by \$15,600.

President Oswald, an avid supporter of United Way at Penn State and nationally, said: "Penn State faculty, staff and students are to be commended for their support of local United Way agencies. It's especially gratifying to me, in this my final year at Penn State, to know that our employees are willing to donate their time and dollars to help their neighbors meet a variety of needs."

Campuses deserving special commendation for increased giving are The Hershey Medical Center, which exceeded last year's contributions by \$10,296; and Behrend College, McKeesport, Wilkes-Barre, Worthington Scranton, and University Park, all of which exceeded 1982 contributions by more than \$1,000 each.

Colleges, administrative units or campuses that had employee giving rates of more than 40 percent include: Allentown (60%); Berks (43.8%); DuBois (57%); Hazleton (65%); Hershey Medical Center (66%); McKeesport (47%); Mont Alto (56%); New Kensington (65%); Shenango Valley (42.5%); Wilkes-Barre

(75%); Worthington Scranton (44%); York (50%).

Admissions (82%); Advanced Gifts (University Park Administrators — 86.8%); College of Business Administration (43%); College of Earth and Mineral Sciences (41.3%); College of Education (46.8%); The Graduate School (40.6%); College of Health, Physical Education and Recreation (42.1%); College of Human Development (50.6%); Pattee Library (40.4%); Office of the Provost (41.3%); Student Affairs (50.5%).

At University Park, the \$116,031 in contributions is the largest amount ever raised but fell short of the \$120,000 goal. The total number of University Park employees solicited was 15,628 for an overall giving rate of 13.6%. Total response to the campaign or number of cards returned increased. The following areas exceeded 90 percent total response: Vice President for Administration (98.3%); Admissions (94.9%); Advanced Gifts (96.7%); College of Human Development (92%) and Pattee Library (92.9%).

United Way has been the only charitable solicitation approved for direct payroll deduction since 1971. Along with personal solicitation at many campuses, other special promotions help gain interest for United Way on campus and in the community.

News in Brief

New phone for Ag office

Beginning Jan. 28, the telephone number of the Philadelphia County Agricultural Extension Office will change to (215) 276-5166. The Network number will be 366-5166.

Blood drive scheduled

The American Red Cross Bloodmobile will be on campus from 10 a.m. to 4 p.m. Feb. 1 and 2 at the HUB ballroom to receive blood donations. Appointments may be made by calling the Red Cross at 237-3162 or by stopping by the office at 121½ E. Beaver Ave. Anyone may give blood, and appointments are not necessary.

Videotape screening

During the week of Jan. 31, the University Division of Learning and Telecommunications Services will be screening Blue and Red Ribbon winners from the 24th American Film Festival.

More than 30 video productions, representing the outstanding releases of 1981, will be shown in the Reading Room of the Hetzel Union Bldg. For further information, call 865-2402.

Lion Line Phonathon set

More than 800 volunteer students, alumni and faculty members will make about 50,000 telephone calls to alumni during the eighth annual winter Lion Line Phonathon.

Their goal is to raise \$117,400 for financial support for the University by Feb. 17. The 1982 phonathon garnered more than \$98,500 in pledges.

Stone Valley winter activities

Stone Valley Recreation Area offers 20 miles of groomed trails for the novice and intermediate cross country skier. Equipment rental and private or group ski lessons are available at the Mineral Industries Camp Ski Center. Ice skate rentals are available at the Mineral Industries Lodge.

Stone Valley is the host site for the Feb. 13 Pennsylvania Cup Nordic Ski Race. The race is open to all persons regardless of skiing ability. A novice competition (fund raiser) "ski-a-long" will be held in addition to the Cup series race.

For further information on winter activities at Stone Valley, call 238-5872.

Search, screen committee looks for CDPC director

A search and screen committee has been established for the position of director of the Career Development and Placement Center.

Dr. Gene M. Love, associate dean in the College of Agriculture, is committee chairman. Members are James P. Bucher, assistant director, Placement Service; Sally Hatig, counselor, Placement Service; Dr. Edwin L. Herr, head of the Department of Counseling and Educational Psychology; Rita Oliverio, counselor, Altoona Campus.

Dr. John J. Romano, associate dean, College of the Liberal Arts; Dr. William E. Toombs, director of the Center for the Study of Higher Education; Larry Young, director of the Paul Robeson Cultural Center; Ann L. Horn and Joshua Reisman, students.

The director is responsible to the senior vice president for administration for the overall planning, development, direction,

and management of the Center. A special reporting relationship also exists with the director of corporate relations.

The position requires a master's degree, terminal degree desirable, in counseling, student personnel administration, higher education administration, industrial psychology or business administration. Candidates also should have five to ten years of progressively responsible administrative experience in collegiate career services, higher education administration or corporate college relations.

Nominations and applications will be received until Feb. 28, or until a suitable candidate is identified. They should be sent to: Chairperson, CDPC Screening Committee, The Pennsylvania State University, 203C Old Main, Dept. CH, University Park, PA 16802.

Staff Vacancies

The following vacancies for positions classified at staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Feb. 3, 1983. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

● **Health Physics Assistant, Intercollege Research Programs, University Park** — Performs radiation and contamination surveys of radioisotope laboratories, nuclear reactor, X-ray equipment and other radiation sources. Calibrates and maintains radiation detection equipment. Assays various samples for radioactive material. Surveys and distributes incoming radioisotope shipments and collects and processes radioactive waste. Maintains records of various health physics activities. Bachelor's degree in a physical science, engineering or mathematics with at least one

year of effective experience in laboratory work, preferably in radiochemistry, nuclear instrumentation or health physics.

● **Research Technician, College of Science, University Park** — Performs a variety of research procedures requiring considerable accuracy. Duties include animal cell culture and general biochemical techniques. Bachelor's degree in microbiology, biochemistry, or biological sciences, with experience in animal cell culture required. Experience in biochemistry is an advantage. Position funded from Feb. 14, 1983, to Dec. 1, 1984, with possibility of refunding.

There are positions in certain work units that, because of the large number of such positions, frequently are still available after employees in the work unit have been considered. They are listed below and will not be listed on an individual vacancy basis. Application for such positions may be made at any time, and you are welcome to make your interests known now to the Employment Division for future consideration when such vacancies occur. These positions are:

POSITION TITLE	LOCATION
Assistant Dining Hall	Housing and Supervisors
Computer Operators	Food Services
Shifts: 8 a.m. to 4:30 p.m.	Intercollege
4:30 p.m. to 1 a.m.	Research Programs
Midnight to 8 a.m.	Student Hall
Coordinator, Residence	Programs
Affairs Programmers	Management Services

Research Aides	College of Agriculture	Medical Technologists (CLA, MLT, CLT, HEW)	Hershey
Cardiology Technicians	Hershey	Nuclear Medical Technicians	Hershey
Clinical Laboratory Assistants	Hershey	Perfusionists	Hershey
Clinical Laboratory Technologists (HEW)	Hershey	Pharmacists	Hershey
Clinical Nursing Specialist — Pulmonary	Hershey	Physical Therapists	Hershey
Critical Care Monitoring Technicians (Jr. & Sr. Levels)	Hershey	Physician's Assistants	Hershey
Cyto-Technologists	Hershey	Psychiatric Assistants	Hershey
Licensed Practical Nurses	Hershey	Radiology Technicians	Hershey
		Research Technicians (Jr. & Sr. Levels)	Hershey
		Respiratory Therapy Technicians	Hershey
		Staff Nurses	Hershey

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Senate approves semester classification

The University Faculty Senate, meeting for the first time since November, enacted two legislative bills and heard reports by several committees last week.

The Senate passed Senate Policy 37-70 — Academic Classification of Students by Semester, proposed by the standing committee on Academic and Athletic Standards, and Senate Policy 14-00 — Nondegree Students, proposed by the committee on Admissions, Records and Scheduling.

The semester classification for students provides a general measure of a student's tenure within the University's academic system. It is based on the total credits earned and will be a uniformly applied and reliable record.

The semester classifications and total credits earned are: 1 for 13 or less credits; 2 for 14-27; 3 for 28-43; 4 for 44-59; 5 for 60-75; 6 for 76-91; 7 for 92-107; 8 for 108-123; 9 for 124-139; 10 for 140-155; and 11 for 156 or more.

The newly enacted policy for nondegree students creates a differentiation between nondegree-regular and nondegree-

The Senate will hold a forensic session on evaluating teaching effectiveness at its next meeting on March 1. It will feature presentations by two guest speakers, followed by an open discussion.

conditional students.

Students enrolling in courses for pleasure or personal benefit will be listed as nondegree-regular students, while those who are taking courses to improve academic performance to gain readmission or reinstatement to degree status will be listed as nondegree-conditional.

The new policy eliminates the "stop-out" requirement, which prevented students dropped from a program for unsatisfactory performance from enrolling at the University for one term. The policy also provides nondegree-conditional students with an adviser.

Paul R. Shellenberger, ex officio member of the Senate and chairman of the committee on Admissions, Records and Scheduling, said there is no clear-cut

evidence that keeping students from enrolling in classes for one term helps them improve.

He also noted that students who are doing poorly need help in identifying problem areas and developing a plan for solving their problems.

Joseph A. Dixon, Senate chairman, discussed a letter from President Oswald, which vetoes P5-23 Evaluation of Teaching Effectiveness. The legislation was passed last Feb. 2.

"Apparently, there is a sharp disagreement between the Senate's perception of how this should be done and the president's," Dr. Dixon said. He has scheduled a special session to discuss the legislation at the March meeting. He has invited John Centra, a

senior psychologist from the Educational Testing Service, Princeton, N.J., and will invite a senior faculty member from the University of Illinois to address the Senate.

Dr. Centra has studied student evaluations of teaching and the University of Illinois, which is comparable in size to Penn State, has developed a system for evaluating teaching.

The session, which will include 20- to 30-minute presentations by both guests, will be followed by an open discussion on the Senate floor.

Theodore L. Gross, dean and provost of Capitol Campus, told the Senate that the Council of Academic Deans supports President Oswald's veto. He said the council is interested in working with the Senate and provost's office to develop an acceptable proposal.

"Home rule" might lead to fragmentation and a kind of departmental arbitrariness," Dean Gross said. "This might distort the methodology."

He said he would like to propose specific questions for evaluating instructors that the more than 125 units at the University can use.

In other action:

- The chairman said a second Senate meeting date has been scheduled for May. Meetings will be held on May 3 and May 24.

- The chairman said the Senate Council is recommending to the provost's office that four programs be discontinued: mass communications, broadcasting, at Wilkes-Barre Campus; mass communications, journalism, at Delaware County Campus; associate degree retailing program at Altoona Campus; and a five-year landscape architecture program at University Park Campus.

(Continued on page 3)

Joe Paterno honored by faculty colleagues

The University Faculty Senate honored Coach Joe Paterno with a special resolution last week.

Peter D. Bennett, Senate chairman-elect, said: "The road to number one can take many paths. The faculty appreciates the fact that the Penn State way includes emphasis on the 'student' in the term 'student/athlete'."

"As Prof. Paterno's faculty colleagues, we wish to recognize his genuine and consistent regard for student/athlete scholarship. He has considered them his team, but has

never lost sight of the fact that they are also our students.

"Athletic competition has been kept in proper perspective in the student's entire Penn State experience," Dr. Bennett said.

Senate members made a standing acclamation following the reading of the resolution.

James I. Tarmann, athletic director, thanked the Senate in Coach Paterno's behalf. The coach, he said, could not accept the honor in person because he

was recruiting for next year's football team.

"We did it the right way," Mr. Tarmann said of Penn State's national championship win. "That's why it took longer. Our road to number one didn't have too many shortcuts."

Of all the awards Coach Paterno and the 1982 football team have received since winning their national championship, the Senate's award will be appreciated most by Coach Paterno because it comes from his colleagues, Mr. Tarmann said.

Physicists have debate on causality in the universe

Physicist Don N. Page and noted gravitational physicist Stephen W. Hawking are having a friendly debate about causality in the universe.

The outcome of the debate won't affect the fate of the universe, but may help explain what happens when black holes evaporate. A black hole is a theoretical concept — a hypothetical body in space, which is supposed to be an invisible collapsed star.

Dr. Page, assistant professor of physics, was reminded of the on-going debate by a recent New York Times Magazine cover story on Prof. Hawking (Jan. 23).

He has worked with Hawking on other areas of research about black holes. Hawking has joked with colleagues about the debate saying, "Don is not working with me; he's working against me."

The debate centers on the predictability of black holes. Page argues that if someone knew the fundamental dynamical laws of physics and the conditions that existed in the past, he should be able to predict future events within limits. Hawking has suggested that when black holes evaporate, information gets irretrievably lost.

He has used quantum theory to study black holes and says that in the vicinity of black holes, the uncertainty is particularly bad. There is no way to predict the

position or speed of the particles being emitted by the black hole. Only the probability that certain particles will be emitted can be predicted, he has said.

His theory about the predictability of black holes has led him to rephrase a well-known comment by Albert Einstein on quantum theory. "I shall never believe that God plays dice with the world," Einstein said. Hawking says "That God not only plays dice but also sometimes throws them where they cannot be seen." "I'm not sure that Hawking's special unpredictability theory is correct," Page says. "It might turn out that you could predict what comes out of black holes, in principle at least, but the evidence is not yet conclusive. We don't yet have the full theory."

The debate continues in the scientific community with many of those in the field of gravity agreeing with Hawking and many in particle physics agreeing with Page.

Page, who spent three years at Cambridge University working with Hawking and living with the Hawking family, acted as translator for the noted physicist in his interview for the New York Times Magazine. Hawking suffers from an incurable motor-neuron disease which makes his speech almost unintelligible, except to those closest to

him.

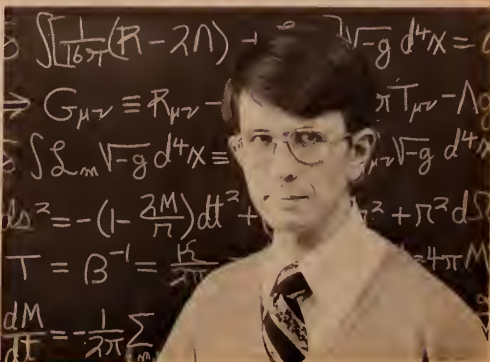
Page first met Hawking at Cal Tech in 1974 when he was working on his doctorate, and Hawking was there as a visiting scholar.

"I became interested in how black holes amplify waves," he says. "I wanted to get

a quantum analysis because if black holes can amplify waves, they could also emit waves spontaneously. I became interested in calculating these effects."

Hawking, who holds the Lucasian professorship of mathematics at

(Continued on page 3)



Don N. Page

Photo: Scott Johnson

1983-84 Leaves of Absence

College of Agriculture

David C. Beppler, associate professor of agricultural engineering, to review and develop data pertaining to the management of mechanized Irish farms, to develop programs to optimize machine system selection, and to produce computer software for use by non-specialists.

James R. Bloom, professor of plant pathology, to collect specimens for teaching, conduct research on interaction of nematodes and other plant pathogens, obtain information on important plant-pathogenic nematodes that could affect Pennsylvania agriculture, and visit with nematologists in several states.

Donald J. Epp, professor of agricultural economics, to study the application of the economic theory of public goods to societal decisions involving collective risk.

Paul Grun, professor of cytology and cytogenetics, to collaborate with Professor Genevieve Bellard, at the Louis Pasteur University in Strasbourg, France, in the use of cybrid potato plants for study of mito-chondrial DNA recombination.

William I. Lindley, assistant professor of agricultural education and agricultural extension, to serve in a learning and advisory capacity in the Division of Rural Education and Training of the United Nations Food and Agricultural Organization (FAO).

Mark D. Shaw, associate professor of agricultural engineering, to study the use of machines, fuel fuels, cropping patterns and fertilizer in Chinese agriculture to learn what could be applied to the U.S. to reduce our dependence on non-renewable energy for agricultural production. Also to study China's educational programs for agricultural engineers with the goal of developing educational programs at Penn State most suitable for foreign students.

Robert Snetsinger, professor of entomology, to conduct research on urban and mushroom pests at the University of Puerto Rico at Mayaguez.

College of Arts and Architecture

Albert A. Anderson, Jr., associate professor of art education, to investigate contemporary metal-smithing and tool making processes using coal and gas forage.

Charles H. Firmin, assistant professor of theatre arts, to examine current techniques and processes in stage lighting as practiced in the major non-profit professional theatres in the United States, with special attention to the architecture and equipment involved. The results of this study will be incorporated in the professional theatre training program at Penn State and offered for publication to the U.S. Institute of Theatre Technology, the American Theatre Association, Theatre Crafts, and Theatre Communications Group, Inc.

Daniel R. Jones, associate professor of landscape architecture, research, travel, and creative activity concerning the introduction of new land uses in scenic river corridors.

Donald W. Leslie, associate professor of landscape architecture, to research and investigate computer applications in the profession of landscape architecture for the purpose of introducing these applications in the department curriculum.

George L. Mauner, professor of art history and Fellow of the Institute for the Arts and Humanistic Studies, to study documents relative to the painter, Edouard Manet. These are located at the Bibliotheque Nationale in Paris as well as in private collections in Paris, Chantilly and other locations in France.

Diane Pepe, associate professor of art, to study and visually document one powerful focus on the natural environment (the Sun in Mexico and the Sea in Nova Scotia) and its effect upon the architectural structure of the buildings and forms in these countries. Professor Pepe plans to print a suite of lithographs on handmade paper concerning these ideas.

James E. Stephenson, professor of art, to design and construct large scale ceramic sculpture using extruded units from commercial pipe factories.

David V. Van Dommelen, professor of art education, to research, produce, and create a group of six tapestries based on multi-harness loom computer-generated designs.

Behrend College

John King Gamble, Jr., professor of political science and head, Division of Social and Behavioral Sciences, to continue research work on multilateral treaties in order to develop a theoretical model of participation in those

treaties. The model will focus principally on factors other than the substantive content of those treaties.

Jeffrey S. Wicken, associate professor of biochemistry and natural sciences, to study the principles and philosophical implications of irreversible thermodynamics with Professor Ilya Prigogine in Brussels, Belgium.

College of Business Administration

Charles C. Snow, associate professor of organizational behavior, to develop a general theory of strategic management.

Capitol Campus

Florence A. Salinger, senior assistant librarian, to continue research in the field of descriptive cataloging. Ms. Salinger also will complete a handbook for catalogers dealing with descriptive notation for non-monographic library materials.

James E. Skok, associate professor of public administration, to study the federal funding of human services programs. Professor Skok will prepare a monograph focusing on the shift to block grants and the effects of the change upon state government administration.

College of Earth and Mineral Sciences

Peter R. Gould, professor of geography, to undertake the research and writing of *A Phenomenological and Structural Synthesis for the Human Sciences*, with supporting studies in algebra, topology and French. Professor Gould also will pursue research on dissipative models of spatial development in conjunction with colleagues at the University of Grenoble.

John J. Olivero, associate professor of meteorology, to visit the Rutherford Appleton Laboratory in England. The visit will allow Professor Olivero to gain expertise in microwave technology for atmospheric observations and will also allow him to collaborate freely with the European microwave measurements community.

Robert Scholten, professor of petroleum geology, to accept an official French government invitation to collaborate with research workers of the Centre National de Recherche Scientifique at Marseille in the conduct of studies of tectonic style and overthrusting in Morocco, the Pyrenees, and the French Alps.

College of Education

Thomas A. Frank, associate professor of audiology, to conduct research at the Physikalisch Technische Institute in Bundesanstalt in West Germany dealing with the development of standards for testing hearing and to increase knowledge of computer technology and application to audiological testing and research.

Lester S. Golub, professor of education, to conduct a study at the Wilson Center entitled "Soviet Education, Social Class Assignment and Mobility." Professor Golub also plans to study microcomputer applications in children's reading and writing at the University of Nottingham, England.

Fred H. Wood, professor of education and head, division of curriculum and instruction, to update and strengthen expertise in the design of staff development based upon intensive study and on-site observations and evaluation of model training programs in business, the armed forces, and public schools.

College of Engineering

Lynn A. Carpenter, associate professor of electrical engineering, to continue theoretical and experimental research on the development of a millimeter wave circulator at the Missile Systems Division of the Hughes Aircraft Company.

Mukunda B. Das, professor of electrical engineering, to work in a research group on the fabrication and characterization of specialized semiconductor device structures at the Air Force Wright Avionics Research Laboratory.

Stanley F. Gilman, professor of architectural engineering, to improve expertise in international development in the field of heating, ventilating, air-conditioning and energy conservation as related to buildings, and to develop potential research projects, particularly as a result of Professor Gilman's experiences at the University of Esson in Esson, Germany.

Janice M. Mangle, assistant professor of engineering (Ogontz Campus), to complete basic combustion research at the NASA-Lewis Research Center in the new basic combustion laboratory which goes into operation in spring, 1983.

Hubert C. Smith, assistant professor of aerospace engineering, to establish a consortium between Penn State and Embury-Riddle Aeronautical University for research in ultralight aircraft technology. Professor Smith also plans to exchange ideas with Embury-Riddle on teaching of courses in design and flight testing.

John M. Tarbell, associate professor of chemical engineering, to spend nine months as a visiting scientist at the Physiological Flow Studies Unit of the Imperial College of Science and Technology, London, conducting research on the role of hemodynamics and mass transfer in arterial disease.

College of Health, Physical Education and Recreation

Robert W. Christina, professor of physical education, to work with Dr. Ernie Lindholm at the Arizona State University in the area of evoked brain potential and on how humans learn to select and prepare to execute movement skills. Professor Christina also plans to continue his research with Dr. Daniel Landers at the Arizona State University on competitive rifle and pistol marksmanship.

Elizabeth A. Hanley, assistant professor of physical education, to study international dance, including music, culture and traditions, with specific emphasis on the Balkan countries of Yugoslavia, Greece, and Bulgaria.

Richard C. Nelson, professor of physical education, director of the Biomechanics Laboratory, to pursue research at Arizona State University in the area of load carrying behavior. Professor Nelson also will work with Dr. Dillman in the Biomechanics Laboratory at the U.S. Olympic Training Center in Colorado Springs.

College of Human Development

Frederick R. Eisele, associate professor of social policy, to investigate strategic planning and marketing for non-profit organizations with a focus on community organizations delivering home health and social services for the elderly.

Drew W. Hyman, associate professor of community development, to research an international, cross-cultural comparative study of ombudsmanship as an institutionalized form of political representation.

Stephen P. Lagoy, associate professor of criminal justice (Delaware County Campus), to study appellate court review of criminal sentences in twelve states which have enacted determinate sentencing legislation.

Arthur H. Patterson, associate professor of environment and behavior, to develop new applications of theories, findings and methods of environmental and social psychology to problems of criminal behavior and various components of the criminal justice system.

Sherry L. Willis, associate professor of human development, to develop a monograph summarizing and integrating Dr. Willis' five-year research program on cognitive training in later adulthood, and to plan future research initiatives.

College of the Liberal Arts

Clifford C. Clogg, associate professor of sociology and statistics, to finish a manuscript for a book, to be published by Academic Press, entitled "Introduction to Structural Models for Discrete Data." Professor Clogg also plans to work on the demographic analysis of under-employment and other labor force topics.

William John Duiker, professor of East Asian history, to undertake research on a projected biography of the Vietnamese communist revolutionary Ho Chi Minh, and to undertake similar research on the impact of the Vietnam War within Vietnam and in Southeast Asia as a whole.

Caroline D. Eckhardt, associate professor of English and comparative literature, to contribute a volume on the *General Prologue to the Canterbury Tales* to the New Chaucer Bibliographies to be published by the University of Toronto Press.

Gabriel M. Escobar, associate professor of anthropology, to conduct a survey study of political organization and communal ideologies in central and southern Spain.

Robert M. Feinberg, associate professor of economics, to study the impact of European Economic Community anti-trust policy on the pricing behavior of European firms.

University is observing Adult Education Month

February has been proclaimed Adult Education Month in Pennsylvania by Governor Dick Thornburgh, and Penn State — one of the nation's leaders in the field — is taking part in the month-long observance.

An original copy of the proclamation given to the University notes that "The expansion of adult education programs throughout the Commonwealth offers a valuable educational opportunity to all

citizens of all ages and in all stages of life . . ."

"Penn State is the largest Continuing Education service in the state and one of the largest in the nation, and we are honored to take part in this state-wide observance," said Dr. Robert Scannell, vice president and dean of the Commonwealth Educational System. Figures provided to the Penn State Board of Trustees in November showed

that during the past year approximately one in every 70 persons in the Commonwealth took Penn State courses through Continuing Education.

A record high 157,456 persons enrolled in programs at 322 different locations throughout the state. Individuals who took more than one course brought total enrollments to 175,920, also a record high.

"Penn State has been a pioneer in Continuing Education for adults since

1886 when drafting and coal mining courses were presented — and we've been at it since," says Daniel T. Hopkins, assistant vice president and director of the Division of Continuing Education.

"Today, we provide Continuing Education courses in virtually every county of the state, in places as large as Philadelphia and Pittsburgh and as small as Buckhorn and Snow Shoe."

The 157,456 state-wide Continuing Education enrollments last year included 30,258 persons in college credit courses at 96 locations, 104,957 in informal courses at 290 locations, 133 persons in CEU (Continuing Education Unit) courses at four locations and 22,108 persons in independent learning courses.

Calendar Council seeks course information

The Calendar Conversion Council has approved an amended recommendation to its Communications Committee urging departments "to supply basic information" for courses taught by different faculty at different locations.

The Communications Committee recommendation, suggested by several members, noted that the majority of these courses are in the "Basic Six" departments — Biology, Chemistry, English, Mathematics, Physics and Speech Communications.

Council asked that these departments provide general course descriptions and listings or check sheets of new courses substituting for old courses, if this hasn't already been done.

At its Feb. 2 meeting, Council also approved another recommendation from the Communications Committee calling for distribution of the 1983-84 undergraduate catalog to current freshmen since they are required to follow the program requirements of the semester calendar.

In other business, Council members discussed a report from Dr. Richard L. McCarl on conditions of appointment for graduate assistants. The report, which makes six major recommendations, has been submitted to the Graduate Council.

Dr. James B. Bartoo, Council chairman, presented reports on the Calendar Transition Grievance Committee and the Summer Session Advisory Implementation Committee.

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William E. Campbell, Jr., Editor
Deborah A. Benedetti, Assistant Editor
Calendar Editor — 865-2501

News in Brief

Calendar information due

Information for the Intercom Spring Term Calendar should be turned in by Friday, Feb. 25. Material can be sent to Calendar Editor, Room 301 Old Main, 865-2501.

Philosophy Colloquium scheduled Corinna Delkeskamp-Hayes, adjunct professor of philosophy, will speak on "Hume's Epistemological Ethos: An Attempt at a Philosophical Interpretation" at 4 p.m. today in Room 73 Willard Bldg. The talk is part of the Department of Philosophy Colloquium.

Bookstore employment

Part-time employment at the Penn State Bookstore on campus is available for approximately the first two weeks of Spring Term, starting March 4, for cashiers-baggers. Interested spouses of faculty and staff members or other interested persons should contact William A. McKiver at 863-3250.

Football films available

Two films featuring Penn State's 1982 national football championship are now available to interested organizations.

"A Year of Destiny," detailing the Nittany Lions' 10-1 regular season, and "We Are Number 1," featuring the Lions' Sugar Bowl trip and the national championship win over Georgia, are available from Audio Visual Services.

Both films are available at no charge to interested organizations. Groups should contact Audio Visual Services, Special Services Building, University Park, Pa. 16802. Both films are 30 minutes in length and are available on 16 millimeter film.

Audio Visual Services

Audio Visual Services has acquired a number of films and videotapes in response to faculty requests.

Among them are an award-winning series on Chinese cities: "Beijing," "Suzhou," "Xian"; media about the media (the eight-part "Media Probes" series and a Nova video program, "The Television Explosion"); several documentaries about Central and South America ("Brazil: Children of the Miracle," "Americas in Transition," "El Salvador: Another Vietnam?"; "Puerto Rico: A Colony the American Way"); and scientific

programs such as the "Botanic Man" film series and "Fusion: Energy's Space Program."

Faculty who wish to preview newly acquired media for potential classroom use may call 865-6317 to schedule preview screenings either at Willard Building or at Special Services Building.

McClellan Scholarship established

The Willis L. McClellan Memorial Scholarship Fund has been established at the University to provide financial aid for superior students in agronomy.

The Chevron Chemical Co. has donated the initial principal for the scholarship, in recognition of Dr. McClellan's leadership in the conservation tillage movement.

Except for two periods during which he worked in agricultural industry, Dr. McClellan was a member of Penn State's faculty from 1957 until his death on June 10, 1982.

University is home for journal

The University is the new home for the bimonthly journal "Interfaces."

With the journal's October issue, Dr. Gary L. Lilien, research professor of management science in the College of Business Administration, became the editor-in-chief. Mary Haight, a

writer/editor at the University, is the managing editor.

"Interfaces" is published jointly by the Institute for Management Sciences and the Operations Research Society of America. Its goals are to provide readable articles on real-life applications of management science and to improve communication between managers and academics. Further information about the journal may be obtained at the editorial offices, 310 Business Administration Bldg.

Beaver Campus fund drives

Fund drives sponsored during 1982 by the faculty and the Student Government Association at the Beaver Campus raised \$2,891 for Children's Hospital, Pittsburgh.

The Fairly Fast Faculty Fortune Family Fun Farkleberry Furlong Fundraiser contributions totalled \$1,015. Leo Takahashi, assistant professor of physics, chaired the faculty event.

The SGA campaign, chaired by sophomore Shannon Bennett of Baden, raised \$1,776. The student-sponsored events included a football drawing, all-day rockathon, benefit choral concert, hayride, and various campus contests.

In the past two years the Campus has donated \$5,341 to Children's Hospital.

award and lists the recipients. It is available from the office of the vice president for undergraduate studies.

PSU completes

(Continued from page 8)

capabilities available today, the inventory would be impractical, he says.

"Today's computer system permits us to continuously update the file. We think we have plans that will keep it accurate and current."

Last February, 11,000 letters requesting volunteers with special expertise in countries and languages outside the United States were mailed to all Penn State employees. Current plans include expanding the inventory of 800 to include community volunteers. Dr. Bibby says. There are many cases, he says, where the spouse of a Penn State employee also has professional experiences in foreign countries or fluency in a foreign language.

"The prospects for the 1980s are promising for Penn State's international outreach," Dr. Bibby says. "Government and industry have an intensified awareness of the resources which may be hiding in the academic shadows and are intent on having them available."

Physicists have debate

(Continued from page 1)

Cambridge, the chair once held by Isaac Newton, wrote a paper saying that black holes could emit waves with or without amplification. After reading the paper, Page began doing calculations of the detailed rates. Then he met Hawking at Cal Tech.

"Hawking and I compared my numerical calculations with radiation actually observed from outer space to see how many little black holes might have existed. We suggested that scientists look for possible gamma ray bursts from the final explosions of individual little black holes. No such explosions have been seen so far."

In 1976, he completed his Ph.D. and was looking for a post-doctoral position. He asked Hawking to write letters of recommendation for him. When a position opened in Hawking's own department at Cambridge, Page was invited to take the post.

While at Cambridge, Page was awarded a NATO fellowship for one year. He came to Penn State in 1979.

Each summer, he returns to Cambridge to spend time with Prof. Hawking and

attend conferences. He continues to do research on black holes and is working on quantum gravity.

This spring, he has been invited for a second time by John A. Wheeler of the University of Texas at Austin to be a visiting research fellow. He received his A.B. in physics and mathematics in 1971 from William Jewell College, Liberty, Mo.; his M.S. in physics in 1972 from California Institute of Technology; his Ph.D. in physics, with a minor in astronomy, in 1976 from Cal Tech; and an M.A. in 1978 from the University of Cambridge, England.

—Deborah A. Benedetti

Senate approves

(Continued from page 1)

• Dr. James B. Bartoo, chairman of the Calendar Conversion Council, reported on the plans for the extended summer session. The session will last 12 weeks and allow for flexibility for faculty, graduate assistants and students on internships, he said.

• The following standing committees gave informational or legislative reports to the Senate: Academic and Athletic Standards on simultaneous degrees and multiple majors, and duties of faculty varsity athletic representative; Committees and Rules on proposal for a Library Academic Voting Unit, which will be voted on in March.

Curricular Affairs on common course numbers for special types of instruction; Student Affairs, Awards and Scholarships on the undergraduate scholarship and awards system; and Undergraduate Instruction on Division of Undergraduate Studies Advisory Subcommittee.

• The Elections Commission has completed the 1983-84 census of the faculty. The total membership of the 1983-84 Senate will be 204: 170 elected faculty Senators, 17 appointed and ex officio Senators and 17 student members.

• The Committee on Undergraduate Instruction reported that there are 21 teaching awards recognizing excellence given by the colleges and campuses of Penn State. The awards are in addition to the Lindback and AMOCO Foundation awards.

A booklet, "Teaching Awards: College and Campus Recognition of Teaching Excellence at Penn State," describes each

Focus on the arts

Guitarist in concert

The School of Music will sponsor guitarist Ray Williams in a guest artist exchange concert at 8:30 tonight in the Music Bldg. recital hall.

Mr. Williams currently is a visiting artist for the State of North Carolina at Lexington Junior College.

The exchange will involve guitarist, Ann Waller, a member of the Penn State School of Music, in recital in North Carolina on March 28.

Swedish baritone

The Artists Series will present Swedish baritone Hakan Hagegard in concert at 8:30 p.m. Saturday, Feb. 12, in Schwab Auditorium.

Mr. Hagegard is best known to American audiences for his portrayal of Papageno in the Ingmar Bergman film *The Magic Flute*. His concert is one of 19 U.S. recitals he is giving this winter, culminating in his debut at Carnegie Hall late in February.

At Penn State, Mr. Hagegard will sing Franz Schubert's *Serenade* and three other Schubert songs which were published posthumously as Schubert's *Swansong*. Mr. Hagegard also will sing Robert Schumann's *Poet's Love*, (*Dichterliebe Opus 48*), three songs by Hugo Wolf and seven early songs by Alban Berg.

Mr. Hagegard was born in Karlstad, Sweden, in 1945 into a family of musical interests. He attended music school as well as regular school and studied lieder interpretation with Gerald Moore and Erick Werba during summer courses at Salzburg, Austria.

After a stint of military service, Mr. Hagegard entered the Royal Academy of Music in Stockholm. He debuted in 1968 at the Royal Opera House in Stockholm where he has been a leading member of the opera company, singing such roles as *Figaro*, *Don Giovanni*, *Dr. Malatesta*, and *Papageno*.

In 1978, he debuted at the Metropolitan Opera Company as *Dr. Malatesta* in Donizetti's *Don Pasquale*. He has sung with symphony orchestras throughout the world.

Mr. Hagegard has recorded songs by Schumann and Brahms, recently released by RCA Records. As part of his current national tour, he will be recording Schubert's *Winterreise*.

Music lecture set

Burt L. Fenner, professor of music, will give a lecture, "Music and Numbers: Digital Recording and Synthesis" at 1 p.m. Tuesday, Feb. 15, in the Music Bldg. recital hall. The lecture, part of the Common Hour series sponsored by the School of Music, is free and open to the public.

Professor Fenner is a composer and teaches theory, composition and electronic music. He will explain the relatively new phenomenon of digital recording, pointing out some of its advantages and disadvantages.

Museum gallery talk

William Hull, director of the Museum of Art, will present a gallery talk at 10:30 a.m. Tuesday, Feb. 15, on "Some Aspects of a Decade of Collecting," a theme which has been central to several displays of the museum's permanent collection in 1982-83.

Focus of the talk will be the development of the Museum's permanent collection from its inception in 1972 to the present. The Museum's holdings now include some 1,500 objects, among them European and American paintings, sculpture, and graphic arts, ancient Peruvian ceramics, and Oriental art.

Stage band concert

The Penn Statesmen Stage Band conducted by graduate student Jim



Hakan Hagegard

Alberty will be in concert at 8:30 p.m. Wednesday, Feb. 16, in the ballroom of the Hetzel Union Bldg. on the University Park Campus. The featured soloist will be David Gatts, trombone, a faculty artist of the School of Music.

Mr. Gatts will be featured in two works. "The Beam Hall Backstairs Boogie" is an original composition by conductor Jim Alberty especially for Mr. Gatts. It is dedicated to the members of the Arts & Architecture Interest House. "Through the Eyes of Love," better known as the theme from *Ice Castles*, is an arrangement by Mr. Alberty of the Marvin Hamlisch ballad.

The music of many bands, including Stan Kenton ("Granada Smoothie"), The Basic Orchestra ("Ja Da"), The Buddy Rich Big Band ("Space Shuttle"), and The Thad Jones/Mel Lewis Big Band ("A Good Time Was Had By All"), will be featured in the remainder of the program.

The 20 members of the ensemble are students from all disciplines, selected by audition. The group is under the direction of E.C. Wareham, Jr., assistant professor of music.

New music featured

The School of Music will present "A Concert of New Music by Penn State Composers" at 8:30 p.m. Friday, Feb. 18, in the Music Bldg. recital hall. The concert is free and open to the public.

Undergraduate composers Marshall Urban and Allan Fogelsang, and Douglas MacPherson, a candidate for the master of music degree in composition, will be represented by works for the piano. The Penn State Percussion Ensemble will perform a work by Brian Martin.

A work for bassoon and cello by Brian Robinson, and string quartets by Gregory Ziegler and Roger Davis complete the program. The Alard Quartet will perform both works.

Mr. Davis is currently working at Columbia University on a master of arts degree in composition. He graduated from Penn State with a B.S. in math and received his B.M. in composition from New England Conservatory.

Zoller exhibition

The Zoller Gallery is the site of an exhibition by Tad Savinar, an artist from Portland, Oregon. The show will run through Feb. 27.

Mr. Savinar has created a series of works painted directly on the walls of the gallery. He has previously done large scale installations at ArtSpace in New York, and galleries in Seattle and the

Portland Art Museum, and is scheduled later this year to exhibit at the Los Angeles Institute for Contemporary Art.

Mr. Savinar, who has a degree from Colorado College, has been an instrumental force in the Portland Center for the Visual Arts, an artist-run gallery space which has mounted exhibitions of important living American artists.

Zoller Gallery is open weekdays from 9 a.m. to 5 p.m., and weekends from 1:5 p.m. There is no admission charge.

Friends hold dinner

About 150 Friends of the Museum attended the annual Gala Dinner of the Friends and previewed two exhibitions at the Museum of Art — a major show of paintings by the contemporary artist Jerome Witkin and jade pieces from the collection of Dr. and Mrs. Harold L. Tonkin.

Dr. and Mrs. Tonkin were among those attending the dinner, as was Mr. Witkin, a professor of art at Syracuse University, who spoke briefly about his work. Other speakers were William Hull, Museum director, and President Oswald.

A highlight of the evening was the selection of winners of contributed art works. Winners were Marion Wyand, Sarah Godbey, William Clark, Robert Wecker, and Pat Shater, all of State College, and Carol Gible, of Whitehall, Pa.

College gets grant

The Graham Foundation for Advanced Studies in the Fine Arts has awarded a grant to the College of Arts and Architecture for publication of a book of essays entitled *Projects and Monuments in the Period of the Roman Baroque*.

The volume is being compiled and edited by Dr. Helmut Hager of the Department of Art History. It will include essays by Dr. Henry Millor, director of the Institute for Advanced Study in the Visual Arts, National Gallery, Washington, D.C.; Dr. John Varriano, Mount Holyoke College; Dr. John Pinto, Smith College; Dr. Elaine Dee, Cooper-Hewitt Museum, Smithsonian Institution, National Museum of Design; and Dr. Tod Marder, Rutgers University.

The papers to be published originated as a series of lectures in the program, "Projects and Monuments in the Period of the Roman Baroque," presented during the Winter of 1982 in connection with the exhibition, "Architectural Fantasy and Reality: Drawings from the Accademia Nazionale di San Luca in Rome: Concorsi Clementini 1700-1750," at the Museum of Art.

'No surprises' in rankings of graduate programs

Thirty-four University graduate programs rank, for the most part, in the average to above-average range in a recent national study of selected research-doctorate fields.

That's the assessment of Dr. James B. Bartoo, dean of the Graduate School, of a \$500,000 study involving 228 colleges and universities.

"Generally, there are no surprises in the results as they pertain to Penn State," he notes. "What the national study found is consistent with our own internal assessments."

The study, sponsored by the Conference Board of Associated Research Councils, examined 32 disciplines in five areas: mathematics and physical sciences, humanities, engineering, biological sciences and social and behavioral sciences.

Sixteen indicators were used in the study, including program size, numbers of graduates, reputational survey results, numbers of scholarly publications by faculty members, numbers of research dollars produced and factors such as the size of the library.

"The reputational rankings, involving opinions of about 5,000 faculty members

at 228 institutions, inevitably draw a great deal of attention," Dr. Bartoo says, "because that is the sort of thing that has been done in the past to try and measure graduate school quality."

"The value of this study in future years, though, will be in the establishment of new, solid criteria for graduate school assessment. I think that, over time, the reputational rankings will be less important and many of these other criteria will become more important."

Concerning reputation, Penn State's

Geography Department was ranked second nationally, behind Minnesota's, and sixth in terms of scholarly publications produced by faculty members. The Chemical Engineering faculty at Penn State was ranked second in the publications area and the Mathematics faculty was ninth.

"The fact that reputation does not tell the whole story, however, is reflected in several of our graduate programs that were not ranked in the top 10," Dr. Bartoo notes. "One such example is

Chemistry, a program that shows very well in all measures."

The Chemistry Department ranked 11th out of 145 departments in number of scholarly publications per full-time equivalent faculty, 19th in terms of research dollars produced per full-time faculty, sixth in numbers of graduate students per full-time faculty and 45th in faculty size. In terms of reputation, however, the Penn State Chemistry Department finished in a tie for 25th place.

Phys Ed Department receives top ranking

The Department of Physical Education ranked first in a recent national study of graduate program quality and doctoral program effectiveness.

The ranking — of the 58 U.S. colleges and universities with the highest doctoral candidate enrollment in the field — was done by nearly 800 physical education faculty members at those universities. Findings of the study are published in the current issue of the journal, *Research Quarterly for Exercise and Sport*.

After asking the 800 faculty members — all of whom held Ph.D.s in physical education — to rank graduate programs, the researchers studied the relationship between the institution at which an individual did graduate work and the one at which he or she found employment. They found that graduate faculty posts at the top 20 schools were available almost exclusively to graduates of those schools.

"Research on the career mobility patterns of professionals in higher

education, has been conducted many times," says Dr. Diana R. Dunn, dean of the College of Health, Physical Education and Recreation. "But this is the first time such a study has been done with departments of physical education."

"We're glad to see more attention being given to physical education research, and we're especially glad this particular study showed so many people hold Penn State's graduate program in physical education in such high esteem."

University Park Calendar

February 10 —
24

Special Events

Thursday, Feb. 10
Center for Rural Women meeting, 10 a.m., 101 Kern.
School of Music, Ray Williams, guitarist, Music Bldg. Recital Hall.

Friday, Feb. 11
Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. Ben Marsh, Bucknell Univ., on "Community and Stress: the Centralia Mine Fire."

Sports: men's gymnastics vs. Southern Connecticut, 8 p.m.
GSA Coffeehouse, 8 p.m., 102 Kern.
Cinematheque, *The End of Summer*, 7 and 9:30 p.m., HUB Assembly Room. Also Feb. 12.

Saturday, Feb. 12
Sports: men's fencing vs. Carnegie-Mellon, 1 p.m.; men's basketball vs. Rhode Island, 1:30 p.m.; men's swimming and diving vs. St. Bonaventure, 2 p.m.
Lecture, 3 p.m., 112 Kern Bldg. Louis Farrakhan, a national representative of the Muslim faith, on "Black History and the Black Man in America."
France-Cinema, Tanner, *Jonah Who Will Be 25 In The Year 2000*, 7 and 9 p.m., 112 Kern. Also Feb. 14.
Shaver's Creek Nature Center, Owl Prowl, 7 p.m., Nature Center.
Artists Series, Hakan Hagegard, banitone, 8:30 p.m., Schwab.

Tuesday, Feb. 15
Museum of Art Gallery Talk, 10:30 a.m.
Museum Staff on "Some Aspects of a Decade of Collecting."
Bach's Chapel, flute choir, noon, Eisenhower Chapel.
Senate-Faculty Council meeting, 1:30 p.m., 101 Kern.

Wednesday, Feb. 16
Noontime Entertainment, Penn State Pop Choir, Kern Lobby.
Women Artists Film Series, *Alice Neel: Collector of Souls*, 12:15 p.m., Zoller Gallery.
Shaver's Creek Nature Center, Armchair Naturalists — Easton Waterfowl Festival, 7 p.m., 272 Rec Hall.
Sports: women's basketball vs. Cheney, 7:30 p.m.
URTC, *The Importance of Being Ernest*, 8 p.m., Pavilion Theatre. Also Feb. 17, 18, 19.
Concert, Penn Statesmen Stage Band,

conducted by Jim Alberty, 8:30 p.m., HUB Ballroom. David Gatts, trombone, featured soloist.

Friday, Feb. 18
Geography Dept. Coffee Hours, 3:40 p.m., 319 Walker. Lakshman Yapa, geography, on "The Development of the Third World."
Faculty Women's Club, pot-luck dinner, 6:30 p.m., Walnut Bldg.
Sports: men's gymnastics vs. North Carolina State, 8 p.m.
GSA Coffeehouse, 8 p.m., 102 Kern.
"A Concept of New Music by Penn State Composers," concert, 8:30 p.m., Recital Hall.

Saturday, Feb. 19
Sports: men's fencing vs. Navy, 1 p.m.; women's gymnastics vs. Pittsburgh and West Virginia, 2 p.m.; wrestling vs. Lock Haven, 8 p.m.
France-Cinema, Barretto, *Dona Flor And Her Two Husbands*, 7 and 9 p.m., 112 Kern. Also Feb. 21.

Sunday, Feb. 20
Sports: men's basketball vs. Duquesne, 1:30 p.m.
Musica da Camera/Chamber Choir benefit concert, 7:30 p.m., Museum of Art.

Monday, Feb. 21
Classes end.
Early registration for Spring Term, through Feb. 25.
Last day for signing Winter Term Short-Term Loans, 108 Shields.
Sports: men's basketball vs. Boston University, 8:10 p.m.

Tuesday, Feb. 22
Final examinations, through Feb. 25.

Seminars

Thursday, Feb. 10
Nursing, 12 p.m., 101 Human Development East. Victor Levine, education, on "Perspectives on the Family: Responsibilities for Socialization."
Chemistry, 12:45 p.m., SS Osmond. George C. Schatz, Northwestern Univ., on "Chemical Reaction Rates from First Principles: Applications to Combustion Theory."
Aesthetics, Criticism and Interpretation Theory, 3:45 p.m., 221 Chambers. Cynthia Taylor, visual arts, on "Visionary Transformations and the Work of El Greco."
Acoustics, 4 p.m., 351 Willard. Ronald Hoodin on "Assessing Velopharyngeal Valving in Hearing-Impaired Speakers by Means of Nasal Air Flow Rates."
Mathematics, 4 p.m., 102 McAllister. Hugh Woodin, Caltech and Harvard, on "Weakly Homogeneous Trees."

Friday, Feb. 11
Analytical Chemistry, 10 a.m., SS Osmond. Jayant Desai on "Radiolysis of Phenanthrolines."

Monday, Feb. 14
Plant Pathology, 3:45 p.m., 213 Buckhous.
Morris Bonde, USDA Plant Disease Research Lab, on "Downy Mildews of Maize and Sorghum, Research Program at Frederick, Maryland."

Tuesday, Feb. 15
Philosophy of Science, 3:45 p.m., 319 Walker.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Warren Morrill, anthropology.
Materials Science, 4 p.m., 112 Walker. R. Langensperger on "Precipitation in Ti₂Doped Polycrystalline Alumina"; S. Thompson on "Reusitization of Commercial Low Alloy Steels."
Organolithiographic, 12:45 p.m., B. Cader, W. Pretzer, 8 p.m., SS Osmond.

Thursday, Feb. 17
Nursing, noon, 101 Human Development East.
Nan Crozier, Individual and Family Studies, on "Perspectives on the Family: Responsibilities for Socialization."
Chemistry, 12:45 p.m., SS Osmond. C. Michael Elliott, Colorado State Univ., on "Dimuclear Metalloporphyrin Complexes."
Physics, 3:35 p.m., SS Osmond. Philip Stehle, Univ. of Pittsburgh, on "Multiphoton Microwave Transitions between Highly Excited Hydrogen Atomic States."
Acoustics, 4 p.m., 351 Willard. Emile Luzzato, engineering science and mechanics, on "Protection of Continuous Structures Against Vibrations by Active Damping."
Math, 4 p.m., 102 McAllister. Stephen Weintraub on "Group Actions and Modular Forms: The Classical Case."

Friday, Feb. 18
Analytical Chemistry, 10 a.m., SS Osmond. Bill Chan on "C-¹³ Labeled Classification of Coals by Pyrolysis MS."

Exhibits

Chambers Gallery
Gallery Hours: Monday through Friday, 8 a.m.-10 p.m.; Saturday and Sunday, 10 a.m.-6 p.m.
Didactic Children's Drawings, curated by Dr. Brent Wilson, through Feb. 21.

Kern Gallery
Walter Shroyer, paintings and prints.
Tom Laser, woodturner.

Museum of Art
Museum Hours: 11 a.m.-4:30 p.m. Closed Mondays, Tuesdays, 1:30 p.m.
Chinese Jade Carvings from the Collection of Dr. and Mrs. Harold L. Tonkin.
Jerome Wikin - Paintings and Drawings: A Decade of Work.

Pattee Library
Lending Services: Robert Wilder, drawings.
East Corridor Gallery: Ron Erwin, medical illustrations.
Rare Books Room: Dorothy Roberts. An exhibit relating to a reading of her recent works.

Visual Arts Bldg., Zoller Gallery
Gallery Hours: Monday through Friday, 9 a.m.-5 p.m. Saturday and Sunday, 1-5 p.m.
Tod Savinar: Installations.



Chinese 19th-century jade carving of saddled horse currently on exhibit at the Museum of Art.

Institute international enrollment is up . . .

Enrollment of international students is up again this year in the Institute of Public Administration at the University, says Dr. Robert LaPorte Jr., acting director of the Institute.

The first international student entered the Master of Public Administration degree program at the Institute in 1969. Since then, enrollment figures have steadily increased. More than 100 students from 24 countries have been awarded MPA degrees since the inception of the program, and 33 students from 15 countries are enrolled this year.

"Having a body of international

students adds another dimension to our MPA program. Both our domestic students and our faculty learn to think in terms that are not solely a product of U.S. experience," Dr. LaPorte says.

"No American university today can avoid its responsibilities for international education," Dr. Stanley F. Paulson, dean of the College of the Liberal Arts, said. "In the Liberal Arts College the Institute of Public Administration has been a leader. For our relations with other countries and for the education of our own public administrators, this international development is excellent."

This fall, 75 percent of the international students at Penn State were male. Seventy-nine percent were graduate students.

The College of Engineering currently enrolls the largest number of Penn State's international students. Twenty-eight

According to a recent report by the Institute of International Education, Malaysian nationals make up 3 percent of all foreign students in the United States — of the 326,299 attending U.S. institutions, 9,420 are Malaysians.
At Penn State, 42 percent of the international graduate students in the Institute of Public Administration are from Malaysia. Dr. LaPorte notes that all of the Malaysian students are civil servants funded by their home government. The fact that so many of the members of the elite Malaysian Administrative and Diplomatic Service are sent to University

Park testifies to the effectiveness of the Institute's program in the professional training of civil servants, he says.
"Our goal," Dr. LaPorte adds, "is to produce the most effective administrators possible for government operations not only in Pennsylvania, but in jurisdictions throughout the United States and abroad. The international ties that the Institute has developed over the past 15 years have significantly expanded our instructional mission and have enriched the educational experience of all of our students by providing a comparative administrative systems perspective."

. . . and University total increases eight percent

International student enrollment is eight percent higher at the University this year than last. The average increase for all U.S. colleges and universities was 4.6 percent.

In the 1981 fall term, Penn State's international student enrollment at all campuses was 1,644. This fall, it was 1,778.

"Our enrollment of international graduate students has become very significant," Dr. A. Craig Miller, director of international student affairs and assistant vice president for student affairs,

percent were enrolled in that college this fall. The College of Science was second, with 17 percent.

The students at Penn State this year come from 107 countries. The largest single representation is from Taiwan. Twelve percent of Penn State's international students come from that country. India, Korea, Iran, Great Britain and Canada also are among the countries that send the most students to Penn State. Dr. Miller noted that international enrollment at Penn State is more diverse

than at many U.S. colleges and universities. For example, he said, in the fall of 1981, 32.6 percent of all international students in the U.S. were from OPEC countries. Only 13.5 percent of Penn State's international populations came from those countries.

"We have students from all continents except Antarctica," he said. "The largest number of our international students comes from Asia, but we've had a slow but steady increase in students from Africa and Europe."

Partings

Dr. Donald R. Olson, professor and head of the Department of Mechanical Engineering, retired with emeritus rank Jan. 31 after more than 20 years service.

A native of Sargent, Neb., Dr. Olson came to Penn State in 1962 as professor of mechanical engineering and head of the Underwater Power Plant Section at the Applied Research Laboratory. He brought with him some 17 years of experience on the mechanical engineering faculty at Yale University.

He served in his position at ARL until 1972 when he was named head of Mechanical Engineering. He also served as acting head of Mechanical Engineering from 1968 to 1969.



Dr. Donald R. Olson

Dr. Olson, whose research interests are primarily in the areas of heat transfer and combustion, has been active as a consultant to industry, including 10 years with the General Motors Research Laboratory.

He has published numerous papers and articles, including "Conduction Through Droplets During Dropwise Condensation," co-authored by C.J. Hurst. This paper, published by the American Society of Mechanical Engineers, received the Conference Award for Best Paper at the 13th National Heat

Transfer Conference in 1973.

At both Penn State and Yale, Dr. Olson has had as one of his highest priorities the supervision of Ph.D. candidates. He also has been active in the Faculty Senate, serving most recently as chairman of its Faculty Rights and Responsibilities Committee. He has been a member since 1972 of the Executive Energy Committee, served from 1972 to 1975 as chairman of the Intercollegiate Energy Committee, and served from 1970 to 1972 on University Council.

He also was active in the Penn State Faculty Club, which he served as president in 1975-76, and served as chairman of both the University and Capitol Campus Provost Search Committees. Additionally, he has extensive service on national engineering accreditation committees and has served for the past five years as chairman of teams making accreditation visits to engineering schools.

Dr. Olson received his B.S. degree from Oregon State University in 1942 and his M.Eng. and D.Eng. degrees from Yale University in 1944 and 1951, respectively, all in mechanical engineering. He is a member of some 10 honorary and professional societies and served on the board of directors of the Society of Automotive Engineers.

Joseph E. Boyle, golf instructor and golf coach, retired Jan. 1 after nearly 33 years of service.

Mr. Boyle played on Penn State's 1947, 1948 and 1949 golf teams while he was an undergraduate at the University. He was captain of the team during his senior year, and led Penn State to its first Eastern championship in 1948.

Following his graduation, he began to teach golf. In 1953, he was named the Lions' head coach. Coach Boyle compiled a record of 197-38-1 during his tenure. He led the Lions to seven Eastern championships, and finished in the top three in 15 of 17 Eastern Intercollegiate Golf Association tournaments.

He also served as president of the U.S. Golf Coaches Association and chairman of the NCAA District 2 selection committee.

His youngest son, Jim, a seventh term business major, is a member of the Penn State varsity golf team, as were two older sons, Jeb (Joe III) and Mike. Jeb is now a golf pro at Rosemont Country Club in

Orlando, Fla.; Mike is an employee of Roadway Express.

Coach Boyle was only the third golf coach in Lion history, succeeding Bob Rutherford, who coached from 1922-1949, and Bob Rutherford, Jr., who coached from 1950-1956. He and his wife, Dolly, will continue to live in State College.

Harold F. Shope, mail distribution clerk, retired Jan. 18 after 26 years of service.

Mr. Shope began his service with the University in August 1956 in General Stores. His duties included delivering supplies to various departments and "filling-in" at Mail Services.

In 1959 he was promoted to mail delivery clerk, and was named mail distribution clerk in 1965.

Retiring from the position of mail distribution clerk means he'll be leaving behind the responsibilities of working with metered and nixie mail (incorrectly addressed mail sent to the University from the State College Post Office). Also among his daily duties were the handling of postage due, insured and registered mail, as well as keeping student, faculty and staff listings up-to-date.

Harry L. Hamilton, a University laboratory animal caretaker, retired Jan. 18 after 33 years of service.

Mr. Hamilton joined the University in October, 1949, and spent the majority of his time in the College of Agriculture.

Harold W. Dean, maintenance worker, Utility, Physical Plant, from Jan. 23, 1973, to Feb. 6.

John J. Archer, chief pharmacist in Health Services, from May 1, 1963, to Feb. 1.

Mildred M. Boone, inventory clerk, Controller's Office, from March 11, 1968, to Feb. 1.

Mary D. Hunt, secretary in Student Administrative Services, from Aug. 1, 1965, to Feb. 1.

Marion H. Kent, clerk, Lending Services in Pattee Library, from Aug. 1, 1972, to Feb. 1.

H. Rollin Lloyd, senior assistant librarian in Pattee Library, from Aug. 1, 1972, to Feb. 1.

Pearl Prouser, manager, Personnel and Business Services at Capital Campus, from May 1, 1967, to Feb. 1.

Mildred M. Ross, administrative assistant, Academic Services, at DuBois Campus, from Dec. 1, 1961, to Sept. 11, 1970, and from Nov. 1, 1970, to Feb. 1.

Bridget V. Boyd, secretary at Hershey, from Dec. 18, 1971, to Jan. 29.

Michael J. Kuntz, manager, Animal Resources Facility at Hershey, from Nov. 22, 1971, to Jan. 15.

Joseph L. Hershey, environmental health worker at Hershey, from Oct. 9, 1972, to Nov. 3.

Obituaries

Celia E. Smoyer, counterwoman in Housing and Food Services, from October 27, 1944, until her retirement June 8, 1956, died Jan. 31. She was 90.

Helen Speer, secretary in Liberal Arts and Business Administration, from Jan. 23, 1956, until her retirement July 1, 1977, died Jan. 30 at the age of 70.

Dr. Patricia A. Klemans, 50, associate professor of English in the McKeesport Campus, died Jan. 26. She joined the campus faculty Sept. 1, 1962, as instructor in English and was promoted to assistant professor Oct. 1, 1966, and to associate professor July 1, 1972.

Martha V. Westcoat, clerk, typist; clerk, accounts payable, and secretary in Housing and Food Services, from Aug. 28, 1961, until her retirement Aug. 18, 1973, died Jan. 24. She was 71.

O. Allen Knight, 89, former associate professor of metallurgy, died Jan. 23. He joined the faculty as instructor in metallurgy Jan. 1, 1919. He was promoted to assistant professor in 1920 and to associate professor in 1921. He resigned from the faculty June 30, 1935.

Mary K. Rissinger, former assistant state home economics extension leader, died Jan. 18 at the age of 72. She joined the faculty in the College of Agriculture as an assistant professor Feb. 1, 1949, and was promoted to associate professor July 1, 1950. She served as professor and assistant state home economics extension leader from July 1, 1957, until her retirement July 1, 1972.

Penn Staters

Richard Alden, assistant professor of architecture, is exhibiting colored pencil drawings: "Record Album 1978," "Birk 1982" and "Paper Bag 1983" at the Douglas Albert Gallery in State College.

Dr. Gideon Golany, professor of urban and regional planning, conducted research, under a Fulbright award, on the principles of ancient settlements planning in India. During his stay at the University of Roorkee, Upper Paradesh, he lectured throughout India in the Schools of Architecture and Planning at Amritsar, Delhi, Bombay, Hyderabad, Madras and Trivandrum. He also worked jointly with the Central Building Research Institute of India on joint projects.

Health Assessment in Nursing Practice, a text co-authored by Dr. Jorge Grimes, associate professor of nursing, has been selected as one of two publications receiving 1983 Book of the Year awards from the American Journal for Nursing. Dr. Grimes wrote the text with Dr. Elizabeth Iannopollo of Daemen College. Selections for the annual awards are made by leading nurse experts named by editors of the American Journal of Nursing. *Health Assessment in Nursing Practice* is published by Wadsworth Publishing

Co., Health Sciences Division, Belmont, CA.

Dr. Emily R. Grosholz, assistant professor of philosophy, has been awarded a study visit grant from Deutscher Akademischer Austauschdienst (DAAD) to work in the Leibniz Archives in Hanover, West Germany, during June and July 1983.

Dr. Dorothy V. Harris, professor of physical education, has been appointed chairman of the travel and training committee of the board of trustees of the Women's Sports Foundation.

Walter Hatke, instructor in art, had his work included in the exhibition "Aspects of Contemporary Realism," at William Paterson College in New Jersey and as part of an invitational exhibition at the Albright-Knox Museum of Art, Buffalo, N.Y.

Dr. Gerald C. Johnson, Jr., associate professor of computer science, has been elected to the American Crystallographic Association Standing Committee on Computing and Data.

Dr. Roland E. Larson and Robert P. Hostetter, associate professors of mathematics at Behrend College, have

authored a new textbook *Brief Calculus with Applications*, published by D.C. Heath and Company.

Dr. R. Nagarajan, assistant professor of chemical engineering, presented a paper on "Post-Graduate Education and Research in Colloid Science" at the International Seminar on Chemical Engineering Education, Research and Training in Developing Countries at Jadapur University, Calcutta, India. He also presented papers at several institutes and research centers in India.

Three faculty members in the Department of Biochemistry, Microbiology, Molecular and Cell Biology have been granted a total of \$353,000 in research awards by the American Cancer Society. Dr. Stanley Person, professor of biophysics and molecular biology, will receive a \$170,000 research grant. Dr. Richard Frisque, assistant professor of microbiology, a \$120,000 grant, and Dr. David Shalloway, assistant professor of molecular biology, a \$63,000 Junior Faculty Research Award. All three scientists will apply the awards to their cancer research.

Dr. Stanley Rossen, professor of philosophy, presented the keynote talk

to specialists in philosophy from throughout France at the University of Paris. His topic was "La Critique Aristotelienne des Megariques."

Dr. Hubert C. Smith, assistant professor of aerospace engineering, is a recipient of a 1983 Ralph R. Teeter Educational Award from the Society of Automotive Engineers. The award, named in honor of a former president of the Society, is given annually to a select group of some 20 outstanding engineering educators from across the nation.

James E. Stephenson, professor of art, was one of 12 artists with work exhibited in the Architectural Ceramics show at the Elements Gallery in New York City.

Dr. Robert F. Zelis, professor of medicine and physiology and chief of the Division of Cardiology at the Hershey Medical Center, has received an Award of Merit for outstanding service to the American Heart Association (AHA). He was recognized for "dedicated and distinguished service in advancing the AHA national program to reduce death and disability from diseases of the heart and circulation."

Faculty/Staff Alerts

33% respond to 'wellness' survey
About 33 percent of University faculty and staff members have responded to the "employee wellness" program survey launched by the University Health Services and the Office of Personnel Administration on Jan. 17.

"We're absolutely delighted," says Dr. J. Robert Wirag, director of health promotion and education for University Health Services. "In just 15 days, we received 2,641 in-house responses."

The results of the survey will determine whether the University will embark upon an employee wellness program and, if so, to what extent.

"We're asking faculty and staff members who have not completed the survey packet to do so by Friday, Feb. 18," Dr. Wirag adds. "Employees who did not receive packets or have misplaced them are welcome to call the Office of Health Promotion at 863-0461."

Tax status of SERS contribution
Governor Thornburgh signed into law Act 284 on Dec. 15, 1982. This Act states that all employee contributions to the State Employees' Retirement System are not

subject to federal income tax. However, employee contributions to SERS are subject to state and local taxes.

This is a reminder that in preparing your 1982 Federal Income Tax return, you must use the block *Wages, Tips, Meals and Other Compensation* from your W-2 wage and tax statement in reporting your income.

In reporting your income for state and local tax returns, you must use the block *Cross Wages for State if Different from Federal* on your W-2.

Promotions

Staff Non-Exempt

Judith E. Platt to senior staff nurse at Hershey.

Clerical

Mildred D. Bachert to clerk, bookstore B at Schuylkill.

Maria Teresa Bertram to information processing clerk at Libraries.

Linda Klinger to secretary C in Liberal Arts.

Barbara A. Labinsky to information



Dr. Kathryn B. DeBoer, associate professor of speech communication, and Howard O. Triebold, manager of safety services for the Department of University Safety, observed 25 years service with the University.

processing clerk at Libraries.

Patricia T. Thornton to secretary B in Business Administration.

Technical Service

Allen Cain, Jr. to group leader, maintenance worker utility at Shenango Valley.

25-year awards

Carpooler

Donna Garbrick is looking for a ride from Bellefonte (the area below Corning on the road to Pleasant Gap) to the University. She works from 8 a.m. to 4:30 p.m. in West Halls and can be reached at 238-2233.

1983-84 Leaves of Absence

(Continued from page 2)

Joseph C. Flay, associate professor of philosophy, to continue research and writing on the problem of totality and intelligibility.

Gerald P. Glyde, associate professor of labor studies, to study private sector accommodation and public sector policy on plant closures in a sample of Western European countries, and relate these experiences to the U.S. plant closure problem.

Claire Hirschfield, professor of European history (Ogontz Campus), to study British women's auxiliaries in World War I. The attitudes of women toward foreign policy issues will be the focal point of the study.

Teh-wei Hu, professor of economics, to pursue research on the monetary and fiscal measures taken in China during 1950-53 to terminate hyperinflation.

Kathryn Hume, associate professor of English, to study the role of the hero monomyth in contemporary fiction.

Robert D. Hume, professor of English, to research the early career of Henry Fielding, concentrating on his work as a playwright rather than an author.

Linda J. Ivanits, assistant professor of Russian, to complete a book on Russian folk beliefs and superstition.

Herschel W. Leibowitz, Evan Pugh professor of psychology, to conduct research and complete writing projects at the Center for Advanced Study in the Behavior Sciences at Stanford on the behavioral approach to railroad grade crossing accidents.

Ernest B. Lowrie, associate professor of religious studies and American studies, to write a book on the development of the idea of civilization in the American mind.

Michael J. Mahoney, professor of psychology, to pursue further studies in the relevance of cognitive psychology for psychotherapy theory and practice and the subjective experience of change and stabilization in psychotherapy clients.

Shirley Marchalonis, associate professor of English (Berks Campus), to write *The Worlds of Lucy Larcom, 1824-1893*, a biography based on personal letters, autobiographical writings, and on comments by her contemporaries.

David S. Palermo, professor of psychology, to do library research in the area of language acquisition for the purpose of either writing a book or a number of substantive papers for publications on the topic.

Daniel W. Pfaff, associate professor of journalism, to conduct research into the editorship of the *St. Louis Post-Dispatch* under Joseph Pulitzer II, son of the paper's founder.

Theodore H. Poister, associate professor of public administration, to conduct research on the adequacy of intervention strategy specification in planning and evaluating public programs.

Rita T. Preisner, professor of German, to complete a

study on the development of modern political philosophy in Europe and its role in politics. Professor Preisner also plans to complete his projected book *Speculum*.

R. Alan Price, assistant professor of English (Hazleton Campus), to continue research into the role played by American authors in the relief and refugee programs in France and Belgium during World War I.

William T. Sanders, professor of anthropology, to complete a final report on a research project which Professor Sanders has been directing in Copan, Honduras. Professor Sanders' research will increase understanding about the rise and decline of the Maya civilization.

Martin S. Stabb, professor of Spanish, and head, Department of Spanish, Italian and Portuguese, to continue research on the contemporary Spanish American Essay which will be a great value for a better understanding of Latin American Culture.

George A. Theodorson, professor of sociology, to complete a study focusing on the assumptions underlying the social sciences and the effects of these assumptions upon work that is done.

Emily Toth, assistant professor of English and American studies, to write a comparative study of two late nineteenth century southern authors—Kate Chopin and George W. Cable. Professor Toth will compare their portrayals of Creoles, Cajuns, women, Blacks, northerners, and southerners.

Stanley Weintraub, research professor of English, to complete a book on the lives and works of American expatriate writers and artists in England since World War I.

College of Medicine

Eugene A. Davidson, professor of biological chemistry, to continue collaboration with Professor Robert, at the University of Paris, to elaborate the process of synthesis of molecules, especially glycoproteins, by tumor cells. The work relates to *in vivo* management of alterations in tissue structure associated with proliferative disease.

Graham H. Jeffries, professor of medicine and chairman, Department of Medicine, to conduct research in Punjab, India, in clinical nutrition, tropical medicine and parasitology in academic settings. Dr. Jeffries also plans to develop educational experiences for students from the College of Medicine in academic centers in developing countries.

Theodore R. Kantner, associate professor of family and community medicine, to develop preventive medicine and health promotion techniques for family practice education utilizing mini-computer technology.

Richard B. Tenser, associate professor of medicine and microbiology, to conduct research in the area of the virus herpes simplex and the interaction of virus infections in the nervous system in mammals.

College of Science

Harry R. Allcock, professor of chemistry, to study the use of synthetic polymers as semiconductors, catalysts, and biomedical materials.

Steve Armentrout, professor of mathematics, to conduct research in the topology of three-dimensional manifolds and to learn the rapidly developing field of the topology of four-manifolds.

Nathan N. Aronson, Jr., associate professor of biochemistry, to study how blood glycoproteins are broken down in cells and tissues from animals afflicted by storage disorders. The work will complement the research Professor Aronson is currently doing at Penn State on the normal and pathological function of lysosomes, which are the major sites of degradative metabolism within cells.

John W. Dawson, Jr., associate professor of mathematics (York Campus), to extend leave at the Institute for Advanced Study at Princeton to complete cataloguing of Kurt Godel's Nachlass and to pursue further biographical studies of Godel from primary sources.

Reginald A. Deering, professor of molecular and cell biology, microbiology and cell biology, to acquire experience and new research capability in the use of yeast recombinant DNA techniques for the characterization of DNA report genes in the laboratory of Dr. R.K. Mortimer at the University of California in Berkeley.

Peter C. Jurs, professor of chemistry, to study aspects of computer-assisted methods for studies of molecular structure-biological activity relations.

Chris Maricondi, associate professor of chemistry (McKeesport Campus), to design and carry out experiments which will define the role of asymmetric nitrogen donors in contributing to the overall chirality of certain cobalt (III) octahedral complexes.

Louis Milakofsky, assistant professor of chemistry (Berks Campus), to measure the amino acid levels in plasma and selected brain areas of rates before, during and after psychological stress is applied. These results will hopefully lead to a better understanding of the body's reaction to stress.

Stephen G. Simpson, professor of mathematics, to expand knowledge of certain branches of mathematical logic.

James S. Sims, assistant professor of chemistry (Mont Alto Campus), to spend one year at the NASA Goddard Space Center working with the Theoretical Atomic Physics Group there on the expanded application of techniques for calculating the autoionization state of atoms.

Robert Wells, associate professor of mathematics, to enhance ability to apply the methods and results of smooth topology of problems of applied mathematics, especially in the area of differential equations.

Thomas G. Winter, associate professor of physics (Wilkes-Barre Campus), to continue work on the theory of atomic collisions with a large and productive group of atomic physicists.



Paul Bixby and Denise Martin are seated at the International Resources Inventory Desk, 314 Willard, with a printout of 800 resumes listing those Penn State employees with special experiences and skills.

PSU completes inventory requested by governor

Eight hundred University employees with extended professional experience outside the United States or foreign language skills are listed in a newly established inventory.

Paul W. Bixby, retired emeritus professor of education, developed the International Resources Inventory with support from Gov. Dick Thornburgh and President Oswald.

More than a year ago, he says, Gov. Thornburgh requested that an inventory be established at Penn State, the University of Pittsburgh, Temple University and the University of Pennsylvania.

"Penn State is the first of the four universities to complete the inventory for the governor," Dr. Bixby says. The deadline for the universities to complete their inventories is July 1983.

The 800 who have volunteered to share what they know and what they can do are listed in a computerized file of short resumes. The information is in a file located at the International Resources Inventory Desk in the Office of the Associate Provost for International Programs.

Those listed claim fluency in more than

50 languages, many of which are considered critical by the U.S. Department of State, and have had professional contacts of a month or longer in more than 130 countries outside the United States.

It used to be difficult to identify these resource people quickly if fill needs for consultants, translators, lecturers or foreign language typists, Dr. Bixby says.

Now the Penn State volunteers are just a telephone call away. The International Resources Inventory Desk has a printout copy of the resumes as well as locator indexes by country and language. In addition, Pattee University's reference room has a complete printout copy of the file.

"For me, it's been a lifetime commitment to get Penn State to see itself as bigger than just a Pennsylvania university," Dr. Bixby says. The inventory file helps to meet this goal.

He says he had tried to do similar inventories for many years. In 1966, the Office of International Coordination failed to create an inventory because of a lack of support and responsive computer technology. Without the computer

(Continued on page 3)

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Feb. 17, 1983. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (IFS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

• **Senior Instructional Services Specialist, Altoona Campus** — Responsible to the associate director for academic affairs for providing instructional support services to all faculty of the campus, for identifying and supervising student assistants, and for developing and maintaining instructional equipment and materials checkout and recording procedures. Provide some production of instructional materials at the campus including simple television recording, and work with appropriate service units at University Park for instructional services not available on the campus. Bachelor's degree or equivalent required, master's degree or equivalent preferred, with one to two years of effective experience in instructional media and related processes. Supervisory experience desirable. THIS IS A REANNOUNCEMENT OF POSITION LISTED IN INTERCOM OF JULY 29, 1982.

• **Audiologist, College of Medicine, Hershey** — Responsible to the manager, Ambulatory Services, and the chief, Division of Otorhinolaryngology, for diagnostic, habilitative, and rehabilitative services, as well as personal research related to hearing impairments and defects. A master's degree in audiology, plus one to two years of effective experience.

• **Assistant Manager, Ambulatory Services, College of Medicine, Hershey** — Responsible to the manager, Ambulatory Services, for administration of the Family and Community Medicine Practice Center as well as providing assistance relative to the day-to-day operations of Ambulatory Services. Also, responsible for assigned section(s) of Ambulatory Services. Bachelor's degree or equivalency in business administration and three to four years of effective experience.

• **Patient Unit Coordinator (B), College of Medicine, Hershey** — Responsible to an assistant director of nursing services for the Emergency Care Unit for the operation of the patient care unit, including nursing care

activities, coordination of patient care services, maintaining acceptable standards of nursing care and providing leadership to staff nurses and other patient care personnel. Bachelor of science in nursing or equivalency, current license to practice as a registered nurse by the Pennsylvania State Board of Nurse Examiners plus two to four years effective experience.

• **Employment Specialist, Office of Personnel Administration, University Park** — Duties include recruitment, interviewing and placement of applicants with a wide variety of backgrounds and experiences. Assist in filling job vacancies through internal programs of promotion. Assist in determining salaries. Provide information regarding employment policies, procedures and regulations to applicants, employees and supervisors. Prepare reports and records reflecting the activity of the division. Involves interaction with many levels of administrative, academic and professional staff members. Bachelor's degree, or equivalent, preferably in personnel administration or related fields, plus a minimum of two years related administrative experience.

• **Associate Executive Director, Alumni Relations, Alumni Association, University Park** — Responsible to the executive director of Penn State Alumni Association for overall planning, development and execution of Association's public relations through Penn State Clubs, Constituent Societies, and special programs. Develop and implement long and short range planning on programs and constituent society activities. Coordinate alumni relations activities with other University departments. Travel extensively to represent Association and University in meetings with alumni and the general public. Bachelor's degree, plus four to seven years of directly related experience in organizational development and administration, program planning and public relations.

• **Administrative Assistant, College of the Liberal Arts, University Park** — Responsibilities include: departmental reporting and recordkeeping; management and supervision of departmental clerical staff and, general support and assistance for the Head. Oversee all departmental budgets; manage registration; arrange course documents, update and edit departmental publications; prepare and maintain statistical reports; respond to student inquiries; monitor progress of undergraduate and graduate majors; prepare minutes of department and committee meetings. Bachelor's degree or equivalent required; and at least one year of effective experience in related work. Good writing skills and facility with numbers helpful.

• **Coordinator of Information and Administrative Services, President's Office, University Park** — Responsible to the director of computer and information systems for the consolidated planning and for coordinating the development of information resources in support of University information systems. Prepares and updates consolidated plans for the

ongoing evolution of information resources. Coordinates the review of equipment proposals for the Computer Equipment Committee and provides consultation to departments. Aids in the formulation of policy, standards, and procedures for managing data. Analyzes and recommends changes in the general architecture of University information systems. Master's degree (or equivalent) in technical areas relevant to modern information systems development; plus over seven years of effective experience in the management of technical projects in the field of information handling. Requires exceptional abilities to communicate with both administrators and technical personnel.

• **Procedures Specialist, Audits and Internal Controls, University Park** — Responsible to the director of systems and procedures for the reviewing, investigating, analyzing and development of new and improved financial control and management procedures for all departments of the University. Bachelor's degree (or equivalent) in business administration plus four or more years of effective experience in internal financial controls, procedures, forms control and similar administrative management work. Some computer experience is highly desirable.

• **Utility Systems Engineer, Office of Physical Plant, University Park** — Responsible to the manager of utility systems engineering for planning and designing of University utility production facilities and distribution/collection systems; provide engineering and consultation services to develop operational and maintenance program parameters; analyze consumptions and operations to determine needs for modifications and improvement to facilities. Bachelor's degree in engineering or equivalent with five to seven years of effective experience in the design and/or operation of utility facilities and systems. Must be eligible for registration as Professional Engineer in the Commonwealth of Pennsylvania.

• **Research Technician, College of Science, University Park** — Performs a variety of research procedures requiring considerable skill and accuracy and a background of technical training in natural science. Supports the integration and flight of sounding rocket payloads at Goddard Space Flight Center and White Sands Missile Range. Assists the principal investigator or senior staff member in the performance of a variety of standard laboratory procedures, especially electronics fabrication and in the construction of space flight hardware. High school diploma and minimum of two years experience in a technical laboratory using standard equipment is required. THIS POSITION IS FUNDED FOR ONE YEAR WITH POSSIBILITY OF REFUNDING.

• **Assistant Director, Residence Hall Programs, Student Affairs, University Park** — Responsibilities include supervision of professional staff, and programming for students in a residence hall community of 1,200 to 4,000 students; coordination of campus wide programs, policy development and implementation. This is a full-time, ten-month, live-in position reporting to the associate director for residential life programs. Previous supervisory experience, a master's degree or equivalent and two to four years of prior relevant experience required. This is an anticipated vacancy for Aug. 1.

• **Coordinator, Residence Hall Program, Student Affairs, University Park** — Responsibilities include supervising paraprofessional staff members in a residence hall community of 1,200 to 4,000 students, student programming, new student orientation, staff selection, and providing leadership for student government and student groups. This is a full-time, ten-month, live-in position reporting to the assistant director for residence hall programs. Bachelor's degree or equivalent plus one to two years of effective experience required. This is an anticipated vacancy for Aug. 1.

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University institutes freeze on hiring

President Oswald has announced the first step the University is taking related to the proposed 1983-84 budget.

In a letter Monday to campus directors, deans and other key administrators, Dr. Oswald said he is instituting an immediate freeze on hiring for positions supported through the general funds budget. The action applies to all positions currently vacant or those that will become vacant between now and June 30.

"Recently, in commenting on Governor Thornburgh's proposed budget for 1983-84, I noted that the next academic year would be a lean one and that we must explore every possible step to cut back on our costs while maintaining quality programs," Dr. Oswald said in the letter. "I also directed the University's Budget Task Force to conduct an analysis of the budgetary impact of the Governor's budget and to advise me of the options available to me.

"The Budget Task Force has now

submitted its first recommendations, designed to meet our objective of bringing current year expenditures into better alignment with our resources. By effecting these measures, which I have approved, the University will be entering the new academic year with a balanced budget."

Dr. Oswald told the administrative officers that the University must meet "substantial unanticipated additional costs" in the current academic year, principally for health and retirement benefits. To be able to meet those mandated costs, he said, the University will have to recover an assessed amount of funding from each administrative unit. The hiring freeze is an attempt to help the various units meet that obligation, he added.

The freeze, Dr. Oswald said, would not affect selection of new faculty members for positions effective with the next academic year. In addition, deans, vice presidents and executive officers may

approve exceptions in those isolated cases in which firm commitments previously have been entered into or when the filling of a position is essential to the functioning of a program or activity.

Positions supported by restricted funds budgets or auxiliary enterprises are exempted from the freeze.

Dr. Oswald said that hiring, if necessary to the functioning of a unit, may be resumed after the unit has achieved its assigned budgetary savings target. Organizations that are able to achieve budgetary savings beyond their target assessments will be given credit in like amounts against next year's temporary recycling assessments.

"Our chief concern at this time is to enable the University to enter the 1983-84 academic year with a balanced budget," Dr. Oswald said.

Earlier this month, Governor Thornburgh announced, in his budget proposal for the state for 1983-84, a

recommended two percent increase in Penn State's appropriation. At that time, Dr. Oswald responded with the following statement:

"In acknowledging, with understanding, the two percent increase the Governor proposes in his budget for Penn State, it is clear to me in this time of a seriously troubled economy that the next academic year will be an extremely lean one in every respect. We must explore every possible step to cut back on our costs while maintaining quality programs.

"I am therefore directing immediately the University's principal financial body, its Budget Task Force, to conduct an analysis to determine the various options so that we may meet our most urgent obligations in the difficult year ahead."

The Budget Task Force has met several times since then, and recently submitted its first recommendations to Dr. Oswald. The actions outlined in his letter to administrative officers were a result of those recommendations, Dr. Oswald said.

Senate to examine teaching effectiveness

The University Faculty Senate will hold a forensic session on teaching effectiveness at its March 1 meeting.

Joseph A. Dixon, Senate chairman, has invited two experts to address the Senate and answer questions: Dr. John A.

Centra, senior research psychologist at the Educational Testing Service, Princeton, N.J., and Prof. Frederick Gotthile, a senior faculty member and economist from the University of Illinois at Urbana.

At the February meeting, President Oswald vetoed Senate legislation PS-23 Evaluation of Teaching Effectiveness. Dr. Dixon said that there appears to be a sharp disagreement between the Senate's perception of how teaching effectiveness should be evaluated and the president's perception.

As a result, Dr. Dixon arranged the

forensic session, which will take place near the end of the meeting. Both speakers will be given from 30 to 45 minutes to present their comments. Then the session will be opened to discussion from the Senate floor.

Dr. Centra will discuss the overall concept of student evaluations of teaching. The principal investigator for a series of studies on teaching evaluation and improvement, he will talk about how student evaluations are done, what the pitfalls are and what tests have been done to determine the successfulness of these evaluations.

Prof. Gotthile will talk about his experiences with teaching evaluations at Illinois. The University has in place a required student evaluation for all courses every time they are taught. As a lecturer

for classes of from 700 to 800 students, Prof. Gotthile has had first-hand experience with how the system works at Illinois.

Dr. Centra has developed guidelines for the proper use of student ratings that are based on his series of 15 studies. He has been a consulting editor for the *Journal of Higher Education* and *Research in Higher Education*, and is author of numerous publications on teaching effectiveness.

He received a B.A. in social science and mathematics from State University of New York at Albany; an M.A. in personnel psychology from Columbia University; and a Ph.D. in counseling and psychology from Michigan State University. Since 1973, he has spoken and written on teaching evaluation and improvement.

1,800 to get degrees at commencement

More than 1,800 graduates are scheduled to receive degrees at Winter Term commencement exercises at the University Park Campus at 10:30 a.m. Saturday, March 5, in Recreation Hall.

President Oswald will award degrees assisted by Trustee Obie Snider of Singing Brook Farms, Imler.

Provost Eddy will preside at the exercises. Dr. Richard G. Cunningham, vice president for research and graduate studies, will speak.

Separate commencement exercises at Behrend College and Capitol Campus will bring the University-wide total of graduates to more than 1,900.

Three faculty members to receive Scholar Medals

Three University faculty members will receive 1983 Faculty Scholar Medals for Outstanding Achievement at Winter Term Commencement on Saturday, March 5.

They are William R. Schmalstieg, professor and head, Department of Slavic Languages, in the area of Arts and Humanities; William S. Pierce, professor of surgery and chairman of the new Division for Artificial Organs, in Life and Health Sciences, and Francis T. S. Yu, professor of electrical engineering, in Physical Sciences and Engineering.

The award was established in 1980 to recognize scholarly or creative excellence represented by a single contribution or a series of contributions around a coherent theme. The attainment for which the candidate is honored must have occurred during the three years preceding the nomination for the award.

Dr. Schmalstieg joined the faculty in 1964. Already recognized as a scholar in Baltic and Lithuanian linguistics, he also established himself as a scholar of international reputation in the area of Indo-European linguistics.

During a period of 21 years, he published ten books, 117 articles and reviews. In 1980, he published *Indo-*

European Linguistics: A New Synthesis, a work which has stirred scholars of Indo-European studies the world over for its "creative boldness" and "penetrating studies."

Professor Schmalstieg's peers, leading international scholars in Baltic and Indo-European studies, have called him "an

extremely original thinker," a "truly impartial scholar," "the leading specialist in Comparative and Historical Philosophy and Linguistics of the Baltic branch of the Indo-European languages."

He also has been cited as "one of the most gifted, most productive research workers in the domain of Baltic

languages," and "one of the few outstanding scholars of whom one must think when speaking of American representatives of Indo-European studies."

Dr. Schmalstieg was graduated from the University of Minnesota and received his

(Continued on page 3)



William R. Schmalstieg



William S. Pierce



Francis T. S. Yu

President Oswald television interview to be aired

President Oswald talks about higher education and his 13 years at Penn State in a half-hour television interview to be broadcast early in March.

"John Oswald at Penn State" was videotaped in December with Paul Beers, associate editor of the Harrisburg Patriot-News, conducting the interview. It will be aired on WPSX-TV at 9 p.m. Wednesday, March 2, and again at 1:30 p.m. Saturday, March 5.

Mr. Beers' newspaper career spans 30 years, the last 26 with the Harrisburg Patriot-News. His "Reporter at Large"

column, which he has written for 22 years, is the longest-running such column in a major Pennsylvania newspaper. He has a strong interest in covering higher education.

He and Dr. Oswald discuss some of the significant trends and events that have had an impact on Penn State since Dr. Oswald became president in 1970.

The questions Mr. Beers asks Dr. Oswald during the interview involve topics such as:

- Allocating resources within a

university of the size and diversity of Penn State.

- Rising tuition rates.

- Penn State's relations with other higher education institutions in the state.

- How Dr. Oswald's academic and administrative background, as well as his wartime experience as a Navy PT Boat captain, prepared him for the post as Penn State's 13th president.

- Changes at Penn State during Dr. Oswald's presidency.

- Changes in higher education over the years.

— The role of intercollegiate athletics at Penn State.

Dr. Oswald came to the University from the University of California at Berkeley where he was executive vice president. Prior to that, he was president of the University of Kentucky for five years.

During his years as Penn State president, the University has awarded more degrees than it did in all the years between its first graduating class in 1861 and 1970.

Dr. Oswald will retire June 30.

News in Brief

Author Recognition Day planned

The Penn State Bookstore is planning to hold a Faculty-Staff Author Recognition Day/Reception sometime during the month of April. Refreshments will be served and displays of faculty books will be arranged.

The event is designed to recognize all faculty authors. In order to give proper recognition to everyone, information—including names of authors, titles of books published, publisher and date—is needed from individuals or University departments.

To help facilitate planning the program, this information is needed as soon as possible.

Departments are urged to have their members contact Elizabeth Wilson at the Penn State Bookstore, 863-3250, with the pertinent information.

Learn to Relax series

The Nursing Counseling Center is again offering its "Learn to Relax" Series incorporating stress management techniques and relaxation practice. The four-session program will be offered March 10, 17, 24 and April 7.

Sessions include information regarding stress factors, emotional and physical effects, and "how to" for handling stress and increasing one's stress filter. Participants are asked to examine their life styles and then practice relaxation techniques.

Small groups will be able to practice under supervision of a registered nurse. A minimal fee of \$10 is required for the series. The sessions are scheduled from 3:30 to 5 p.m. in Room 101 of the Center. For registration or more information call 863-2200. Classes are closed at 15 participants.

Library tours offered at Pattee

Tours of Pattee Library will be offered Monday, March 7, through Thursday, March 10, at 9 a.m., 11 a.m., 1 p.m., and 3 p.m. An evening tour will be given at 7 p.m. Wednesday, March 9. All tours begin in the main lobby of Pattee.

Branch library tours will be offered on the same dates. Tours for undergraduates will begin at 10 a.m.; graduate tours begin at 2 p.m. The branch libraries are Architecture Reading Room (207 Engineering Unit C); Earth and Mineral Sciences (105 Deike); Engineering (325 Hammond); Life Sciences (E210 Pattee); Mathematics (110 McAllister); and Physical Sciences (230 Davey). For further information, call Sally Wayman Kalin at 865-6368.

Craft Centre holds open house

The HUB Craft Centre will hold an open house from 7:30 until 9:30 p.m. Thursday, March 10, in 312 Hetzel Union Bldg. Instructors will demonstrate their crafts.

The Centre is offering two four-week sessions of craft classes Spring Term, the first of which begins March 13. Most of the classes meet from 7:30 until 9:30 p.m. once a week (along with some morning classes). Some of the craft classes taught this spring will be batik, basketry, calligraphy, card weaving, handbuilt pottery, embroidery, loom weaving, macramé, quilting, silkscreen, stained glass, wheel thrown pottery and watercolor.

Classes and/or memberships are open to students, faculty, staff, alumni and the public. For more information, call 863-0611 or stop at the Craft Centre in 312 HUB from 12-5 p.m.

Introductory Computer Workshop

The Computation Center will offer a one week introductory workshop during the Winter/Spring term break. Sessions will be held in Room 201 Business Administration Bldg. Monday, Feb. 28, through Friday, March 4. Lectures will begin at 9 a.m. and resume at 1:30 p.m. after a lunch break.

The workshop will study basic computer concepts and techniques of programming, using the FORTRAN language and the interactive VM/CMS system. Sample programs will be studied and practice problems will be assigned. The workshop will be oriented toward faculty and staff who have no previous computer experience. Participants should have use of a computer account, however, so that they may use terminals for the practice problems.

The sessions will use an "on-line" terminal, and its displays will be projected onto a screen. The number of participants will be limited to 40. Registrations will be accepted by Darlene Rhoads, Room 229 Computer Bldg. (863-0422) beginning immediately. A charge of \$5 (cash, check or interdepartmental transfer) for course materials is payable in advance.

Pittsburgh Conference Lectureships

The Society of Analytical Chemists of Pittsburgh is sponsoring two Pittsburgh Conference Lectures this Spring Term in the Department of Chemistry.

On Friday, April 15, Professor Janet Osteryoung of the State University of New York at Buffalo will lecture on "Developing an Analytical Method: The Electrochemistry of NADH" at 10 a.m. in 55 Osmond Laboratory. Professor Osteryoung is known worldwide for her work in the field of electroanalytical chemistry.

On Friday, April 29, Professor David M. Hercules, head of the Department

of Chemistry at the University of Pittsburgh, will deliver a lecture entitled, "Surface Spectroscopic Characterization of Heterogeneous Catalysts," at 10 a.m. in 55 Osmond Laboratory. Professor Hercules is a nationally and internationally recognized authority on fluorescence and surface spectroscopy.

Hershey adds new imaging systems

A Nuclear Magnetic Resonance (NMR) Imaging System has been added to the NMR program in the Department of Radiology at the Hershey Medical Center.

Dr. Mary Osbakken, assistant professor of radiology and clinical director of NMR at Hershey, said that NMR technology "may revolutionize the field of medical diagnosis within the next five years."

One other institution in Pennsylvania (University of Pennsylvania) has NMR facilities in various basic science and research departments. Dr. William Weidner, professor and chairman of radiology, said Penn State's clinical installation combined with the topical magnetic resonance research facility is a first for a clinical department in the Commonwealth.

"NMR can be superior to x-rays and is used to create images of soft tissue (internal organs, tumors), to provide the clinician with not only a clear, detailed picture of the area being studied (mass effect or anatomy), but also with information about molecular activity in the tissue (function or physiology)," Dr. Osbakken said.

Drs. Weidner and Osbakken said that NMR offers a tremendous advantage in early diagnosis of disease processes because it is sensitive to molecular changes that occur prior to mass cellular and organ effects and thus may reveal pathology before even minimal structural changes have occurred.

New funding forms required by Public Health Service

The Office of Sponsored Programs and the Office for the Protection of Human Subjects announce that, as of January, 1983, applications for funding by the Public Health Service (PHS) should be submitted on the new application forms. Failure to use the new forms may cause considerable delay in the review process.

New application packets may be obtained from the Public Health Service or the University's Office of Sponsored Programs, Room 5, Old Main (863-0587). The old application forms will not be accepted for any research which involves human subjects or vertebrate animals.

Of special interest to investigators is the new requirement that the form HHS-596 (Protection of Human Subjects Certification) must be forwarded with the completed grant application. Only in the case of a request for exemption from the human subjects review process may this form be omitted.

If an exemption is claimed, then the exemption number must be entered on

item 4 of the PHS form 398 (application cover page). Investigators should note that an incorrect claim for exemption could delay review of the proposal. Therefore, investigators are advised to consult with the Human Subjects Office prior to forwarding the application to PHS.

Investigators also should note that, if human subjects are to be involved in their research, additional information on the use of subjects must now be provided as part of the PHS application procedure. The investigator also must complete the University's review process using the forms supplied by the Office for the Protection of Human Subjects, 311 Willard Bldg. (865-1775).

Investigators should consult with the Office of Sponsored Programs and the Office for the Protection of Human Subjects well in advance of the due date for their research proposal. A minimum of 30 days should be allowed for the University's human subjects review.

Research division is established

More than a decade of research on artificial hearts and mechanical circulatory assist devices has resulted in the establishment of a new research division within the Department of Surgery at the Hershey Medical Center.

Dr. John A. Waldhausen, chairman of the Department of Surgery, announced that the new Division for Artificial Organs will be led by Dr. William S. Pierce, professor of surgery. Two other appointments are Dr. Gerson Rosenberg, assistant chief, and James H. Donachy, director of fabrication.

Work on artificial, mechanical devices began at Penn State in 1970 in the colleges of Engineering (University Park) and Medicine (Hershey), more specifically in the departments of Bioengineering, Medicine, Comparative Medicine and Surgery.

The University group's first major accomplishment was the development of a left ventricular-assist pump, first used in a patient in 1976. That device is fully approved by the federal Food and Drug Administration (FDA) for continued clinical studies.

Dr. Pierce noted the Hershey group's extensive experience in various aspects of design, construction and performance-testing of cardiac replacement devices in animals where the survival rates have exceeded six months.

Under the leadership of Dr. David Gselowitz, professor and head of Bioengineering, and Dr. Rosenberg, work was begun five years ago on totally implantable, motor-driven, left ventricular-assist devices and on total artificial hearts.

According to Dr. Pierce, the goal of the group is to have these devices ready for clinical (patient) use within five years.

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William E. Campbell, Jr., Editor
Deborah A. Benedetti, Assistant Editor
Calendar Editor — 865-2501

Three faculty members receive

(Continued from page 1)

masters and Ph.D. degrees from the University of Pennsylvania. He has served as head of the Department of Slavic Languages since 1969 and has been a Fellow of the Institute of Arts and Humanistic Studies since 1981.

In the past two years he has been invited to speak at the Georgian Academy of Sciences, the University of Vienna, the University of Freiburg, as well as in Paris, Riga, Bonn, Stockholm and Uppsala on the issues raised in his 1980 book.

Research activities in the area of the mechanical heart have been interwoven throughout Dr. Pierce's career. His first published paper, while he was still a medical student, was in his current area of research.

With his appointment to the University faculty in 1970, special laboratory facilities were established both in the College of Medicine and in the College of Engineering to develop clinically useful artificial hearts. As a result of this collaborative work, a left ventricular assist

device was developed and its use in patients was begun in 1977.

In 1981, Dr. Pierce reported the use of this assist device in patients who could not be separated from the heart-lung machine after open heart operations. Survival of seven such patients who otherwise would have died represents a major achievement in the treatment of persons with advanced heart disease.

Most recently, he has developed a compact, implantable blood pump for long-term treatment of patients who have permanent, non-reversible damage to the heart. When this pump is clinically validated, it is estimated that over 10,000 patients who now die of heart failure may benefit from such a device.

Dr. Pierce received a B.S. degree in chemical engineering from Lehigh University in 1958 and entered the University of Pennsylvania School of Medicine, where he received an M.D. degree in 1962. His training in general surgery and cardiothoracic surgery was at

the Hospital of the University of Pennsylvania. He was a clinical associate for two years at the National Heart Institute.

During the past six years, he has been an active participant in the collaborative effort with the USSR as part of the Health Sciences Cooperative Agreement between the US-USSR. Dr. Pierce, along with Dr. Michael DeBaey of Houston, served as co-chairman of the first US-USSR Conference on Assisted Circulation.

Since joining the University faculty in 1980, Dr. Yu, who is internationally recognized for his outstanding achievements in the area of electro-optics, has created, where none existed before, an Electro-Optics Laboratory that is now considered an international leader.

The Electro-Optics Laboratory, which he directs, comprises one of the largest signal processing programs in any American university. The program annually involves no less than four exchange scholars and includes a budget for research expenditures in excess of \$350,000.

Dr. Yu's achievements include major contributions in white-light signal

processing and rainbow holography. He has shown that great practical advantage could be achieved by using laser technology to facilitate non-laser (white-light) signal processing.

Among the notable applications of his achievements are the archival storage of color film by recording the complete color information on black-and-white film in a single step recording process; the pseudocolor encoding of x-ray pictures to convert black-and-white x-rays to color images, thereby enabling physicians to see certain features more easily; and the deburring and restoration of smeared color photographs.

In addition to his contributions in white-light signal processing, Dr. Yu (with one of his graduate students) co-invented a one-step rainbow holographic process that enables most holographic applications to be performed in a very simple and cost-effective manner.

Dr. Yu received his undergraduate degree at the Mapua Institute of Technology in Manila, Philippines, and his masters and Ph.D. degrees at the University of Michigan.

University gets \$50,000 gift from Helen Deuss Hill estate

The University has received a scholarship gift of \$50,000 from the estate of Helen Deuss Hill, former Penn State student and faculty member and State College community leader.

The "J. Ben and Helen D. Hill Memorial Fund" will be used for graduate or undergraduate scholarships or fellowships in botany or genetics in the Department of Biology of the College of Science.

Mrs. Hill, who died on Jan. 4, 1981, at the age of 85, had a long history of service to Penn State and the local community.

Her doctorate in botany in 1932 was the third Penn State Ph.D. awarded to a woman and the first in a subject other than English. She also earned her master's degree at Penn State.

She served as a cyto-geneticist for many years at the U.S. Pasture Research Laboratory on campus and was an associate professor of genetics at the University before retiring in 1965. With her husband, who died in 1961, she authored a book on genetics and

human heredity that was published by McGraw-Hill in 1955.

Mrs. Hill was a leader in many community organizations, serving as president of the State College branch of the American Association of University Women, the State College Women's Club and the State College chapter of the American Red Cross.

She also held office in or worked with the YMCA, Boy Scouts, Easter Seal Society, Pennsylvania Association for Retarded Citizens, Skills of Central Pennsylvania, Central Counties Swimming Officials Association, Delta Gamma sorority and the Centre Region Parks and Recreation Department.

After her retirement, she worked with Col. Robert E. O'Brien teaching weekly swimming sessions for students from Skills, for physically handicapped clients of Easter Seals, for special education students from school districts in Centre County, and for Boy Scouts who wished to earn swimming merit badges.



Provost Eddy receives a check for the "J. Ben and Helen D. Hill Memorial Fund" from Thomas E. Sterling, attorney for the Hill estate.

Senate committees work on various topics

Following is a list of the standing committees of the University Faculty Senate, the topics they are working on, and when their legislation will come before the Senate:

Committees and Rules — report on the functions of the Senate, particularly Standing Rules Article III, other functions of the Senate, due for information and discussion in March and for action in April;

Legislative report in April or May concerning the agenda item in Standing Rules Article II 6 (a), Senate committee structure, having to do with the faculty variety representative.

Academic and Athletic Standards — legislative action due on Rule 67-00 in April;

Academic and Physical Planning — informational report in April on the decision process in the University dealing with, for example, what series of actions are involved in getting buildings built and renovated; the committee is considering a forensic discussion in April or May on "An Agenda for the New University Administration."

Admissions, Records and Scheduling — legislative action due on Rule 51-50 in March; the committee also is looking at policies concerning courses for credit by examination.

Commonwealth Campus and Continuing Education — informational report in April on the delegation of

authority in certain academic matters from University Park and from the Senate to the Commonwealth Campuses.

Curricular Affairs — report on the quality control for continuing educational courses in May; the committee is considering legislative action dealing with programs on which an admissions freeze has been placed.

External Affairs — report in April from the new vice president for development, Joseph J. Mansfield.

Faculty Affairs — salary survey in March; report in April on research professorships after the committee has consulted with the Senate Committee on Research; report in May on the timetable for promotion and tenure decisions; report in May on procedures for presidential searches.

Senate to receive committee reports

The agenda for the March 1 meeting of the University Faculty Senate will include the following in addition to regular reports:

— report from the Curricular Affairs Committee on the Blue Sheet of Feb. 21.

— legislative report from the Faculty Affairs Committee on limited term, tenure-eligible appointments and an informational report on a faculty salary analysis among Penn State locations.

— informational report from the Research Committee on suggestions for

libraries — informational report on the computerized library system in April; informational report on the state of the libraries in May.

Research — continuation of the discussion in March or April on improving the climate for research at the University; report on a comparison of patent policies at Penn State with those of other universities of comparable size and nature.

Student Affairs, Awards and Scholarships — legislative report on scholarships in April or May.

Undergraduate Instruction — legislative report on the pass/fail system in March; informational report on the implementation of teaching assistant programs in April; legislative report on the revision of Rule 88-30 in May.

improving the climate for research for faculty.

— informational report from the Basic Skills Subcommittee of the Undergraduate Instruction Committee.

There will be a report from the Calendar Conversion Council. Under unfinished legislative business, the Committees and Rules Committee will present a legislative report on a proposal for a library academic voting unit.

A forensic session on teaching effectiveness will follow the reports.

Institute announces research fellowships

The Institute for the Arts and Humanities Studies announces the following faculty members have been awarded faculty research fellowships for July 1 to Dec. 31:

Eric Birdsall, assistant professor of English at Shenango Valley Campus, a study of the early poetry of William Wordsworth and its relationship to periodical verse of the late 18th century.

Burt Fenner, professor of music, a creation of a new composition for flute and wind ensemble.

Cyril Griffin, associate professor of history, completion of a book, *The Origin of African Methodist Episcopal Missions in Africa*.

Alan Knight, associate professor of French, a study of affective expression in late medieval French dramatic prose.

Eulalia Lombide, assistant professor of French at McKeesport Campus, a study of the "surromantic" poetry of Rene-Guy Cadou.

E. Lynn Miller, associate professor of landscape architecture, an investigation and analysis of the work of Charles Eliot (1860-97), landscape architect and father of the metropolitan park system.

William Urlicho, assistant professor of theatre and film, a study of realism and the German cinema: *die Neue Sachlichkeit*, 1925-1933.

Vickie Ziegler, associate professor of German, completion of research for a book: *Beziehungen der Frauen: Cyclical Narratives in German Romanticism*.

Elsewhere in academe

First in a series
The National Commission on Higher Education Issues, composed of some 60 knowledgeable men and women inside and outside the post-secondary community, was established to help the nation's colleges and universities address some of their pressing concerns.

The Commission, which existed for a year and held four meetings, was organized through the cooperation of ten presidential-level higher education associations and was financed by the John D. and Catherine T. MacArthur Foundation.

University President-elect Bryce Jordan served as a member of the Commission which decided not to be a study group but rather to make a few concrete, brief, and practical recommendations to those who make policy and implement decisions in higher education.

In the forward to the Commission's report, chairman Robben W. Fleming, former president of the Corporation for Public Broadcasting and the University of

Michigan, noted that the most precious asset for higher education is public confidence.

"Despite constrained resources," he wrote, "higher education has, on the whole, managed to maintain the quality of its programs. But there are signs that quality standards are being jeopardized."

Because of the vast range of institutional settings in American higher education, he said commission members kept in mind that each institution is unique and that few recommendations can be appropriate to all institutions.

In this and subsequent articles, Intercom will report on the Commission's recommendations on improving quality in higher education and with strengthening public confidence in the nation's higher education institutions.

SUMMARY RECOMMENDATIONS: Setting Priorities and Strengthening Administrative Leadership

The Commission concluded that the greatest danger to quality in higher education in the 1980s is "cuts-across-the-

board. The pressures to make cuts across the board are tremendous, in both the public and the independent sectors.

To counter these understandable pressures, the chief executive of each institution should ensure that appropriate campus constituencies are fully involved in the establishment and timely review of mission statements, role and scope documents, and detailed strategic plans setting forth internal priorities.

Resource distribution must follow these priorities, thereby reflecting and securing institutional objectives in a changing environment. Boards of trustees, which have the ultimate responsibility for institutional priorities, should support the chief executive in making resource allocations that follow these priorities. *Priorities among allocations are likely to be controversial, and unless they are accorded trustee support, across the boardism is likely to prevail and thus quality will be jeopardized.*

Leadership Selection

The methods of recruiting and selecting administrators, particularly chief executives, are open to substantial improvement. The Commission recommends that all persons involved in the

search process should be instructed in the importance of maintaining confidentiality as a condition of their involvement.

The Commission fully endorses the need for formal selection procedures and strongly supports the development of meaningful and productive affirmative action strategies to ensure that women and minority candidates are included.

Governance and Centralization

The Commission's deliberations led to a healthy skepticism with respect to centralization of authority in higher education and to the conviction that quality may be jeopardized when decisions about academic programs are made by agencies remote from institutions. Concern was expressed that in some states authority over institutions has become overly centralized.

The Commission recommends that governing boards ensure that all institutions under their jurisdiction have in place procedures for systematic program evaluation. *The actual program evaluations should, however, be conducted at or below the level of the institutional governing board and should include extensive peer group judgments.*

Nominations sought for library award

Nominations for the Award for Outstanding Contribution to the University Libraries may be made by interested persons until March 1.

The award, consisting of a cash stipend and a Nittany Lion statue, is given to recognize the achievements or performance of any person holding academic or staff appointment in the University Libraries who has done one or more of the following:

- made a professional contribution with a significant impact on the operations of the University Libraries;
 - made a significant professional contribution that earns the respect of the University community for the University Libraries;
 - made a significant contribution to the profession that reflects achievement in librarianship at the University; or
 - performed outstanding service to the University Libraries as shown by continuing leadership and innovation.
- Nomination forms are available at the following library locations: Arts, E405 Pattee; Architecture, 207 Engineering Unit C; Earth and Mineral Sciences, 105 Deike; Engineering, 325 Hammond; Information desk, C102 Pattee; Life Sciences, E205 Pattee; Mathematics, 110 McAllister; Physical Sciences, 230 Davey; and all Commonwealth Campus libraries.
- Nominations should be returned to Diane Garner, C207 Pattee, by March 1.



Music major Elizabeth Steen practices in the Music Building recital hall.

Photo: Scott Johnson

Faculty/Staff Alerts

Retirement account statements

Annual retirement account statements have been distributed to faculty and staff members who belong to the State Employees' Retirement System (SERS). These statements provide information about retirement accounts as of Dec. 31, 1982.

Some faculty and staff members who are age 50 or older have received statements containing projected retirement annuities. The State Employees' Retirement Board continues to work toward the goal of eventually providing this more detailed report for all members 50 or older.

Faculty and staff members with

questions about their retirement account statements should contact the Employee Benefits Division at 865-1473 (network: 475-1473).

Affirmative Action material

The Employment Division has a library of Affirmative Action/Equal Employment Opportunity reference material to assist University personnel seeking recruitment and affirmative action information. Such information may prove helpful in ascertaining availability of minorities, women and handicapped individuals for specific job categories, or in locating recruiting resources in fulfillment of affirmative action, good faith efforts.

Material available in this library includes a directory for reaching minority groups, a directory of resources for affirmative recruitment, a handbook for recruiting at the traditionally black colleges, and a directory of organizations interested in the handicapped.

While the reference material is not available for overnight loan, it may be used in the Employment Division, 117 Willard Bldg., during the week, Monday through Friday, between 8 a.m. to 12 noon and 1 p.m. to 5 p.m.

Conflict of Interest

Bylaws of the University Board of Trustees require that the following be published at least once annually:

Disclosure of Potential Conflict of Interest by Employees of the University —

Employees of the University shall exercise the utmost good faith in all transactions touching upon their duties to the University and its property. In their dealings with and on behalf of the University, they shall be held to a strict rule of honest and fair dealings between themselves and the University. They shall not use their positions, or knowledge gained therefrom, in such a way that a conflict of interest might arise between the interest of the University and that of the individual. Employees shall disclose to the administrative head of the college or other unit in which they are employed, or other appropriate superior officer, any potential conflict of interest of which they are aware before a contract or transaction is consummated.

College gets IBM robotics research award

A robotics research contract, complete with a new and highly advanced robot, has been awarded to the College of Engineering by the International Business Machines Corp.

Central to the contract, which provides some \$400,000 to support the research activities of five faculty members and four graduate students for a two-year period, is

IBM's model RS-1 robot.

The RS-1 robot, a newly introduced model worth some \$105,000 and well-suited for assembly and inspection work, is housed in the Department of Industrial and Management Systems Engineering's Computer Integrated Manufacturing Laboratory. It joins two other robots, donated previously by

GMFanuc, and a computer-controlled milling machine.

Dr. Paul H. Cohen, assistant professor of industrial and systems management engineering and principal investigator (with Dr. H.J. Sommer, assistant professor of mechanical engineering) for the IBM contract, said the engineers will focus their research efforts in four major areas.

University Park Calendar

February 24 — March 10

Special Events

Thursday, Feb. 24
Early registration. Also Feb. 25

Saturday, Feb. 26
Sports: men's indoor track and field, Last Chance Invitational, 1 p.m.

Monday, Feb. 28
Introductory computer workshop, 9 a.m., 201 Business Administration Bldg. Continues through March 4.
Sports: women's basketball vs. Montclair, 7:30 p.m.

Saturday, March 5
Winter Term Commencement, 10:30 a.m., Recreation Building.
Sports: men's basketball vs. Rutgers, 8:10 p.m.

Monday, March 7
Distribution of faculty studies, 7:15 a.m., 106 Central Pkwy.
Registration, noon-5:30 p.m. Also March 8, 8 a.m. — 5 p.m.

Tours of Pattee Library, 9 a.m., 11 a.m., 1 p.m., and 3 p.m., Main Lobby, Pattee. Continues through March 10.

Tuesday, March 8
Continuing Education registration, noon-8 p.m., 101 Kern. Also March 9, 9 a.m.-4 p.m.

Wednesday, March 9
Classes begin, 8 a.m.

Tour of Pattee Library, 7 p.m., Main Lobby, Pattee.

Thursday, March 10
HUB Craft Center Open House, 7:30-9:30 p.m.: Registration for craft classes, through March 15, noon-5 p.m., 312 HUB

Seminars

Thursday, March 10
Computational Fluid Dynamics, 10:45 a.m., 315 Hammond. Peter Sockol, NASA Lewis Research Center, on "Computational Methods of Internal Flows With Emphasis on Turbomachinery."

Chemistry, 12:45 p.m., 55 Osmond. E.T. Kaiser, Rockefeller Univ., on "Model Peptides: Synthesis and Biochemistry."

Staff Development

Fifty-five employees are graduates of the Computer Awareness Program, designed to create computer/data processing awareness and to help University employees improve their computer backgrounds in areas related to their jobs. Completing the course were:

Fayne Abel, accounting clerk, Engineering; Bobbi Amacher, clerk, typist B, Agriculture; Kathy Barr, secretary B, Agriculture; Bonnie Bartley, senior office secretary, Student Affairs; Jeanne Beaton, receptionist, typist A, Science; Rita Berg, secretary C, Business Administration; Amy Bohm, secretary C, Business Administration.

Laura Bordas, administrative assistant, Agriculture; Jerry Boyles, personnel and training officer, Physical Plant; Joan Brooks, secretary A, Education; Kathy Brown, secretary C, Intercollegiate Research Programs; Dolores Campbell, secretary B, Physical Plant; Joseph Capitos, engineering analyst, Physical Plant; Jim

Carley, manager, architectural and landscape design engineering, Physical Plant.

Robert Culp, architectural designer, Physical Plant; Marilyn F. Day, administrative aide, Engineering; John Dixon, accounting clerk, Management Services; Tina Goodyear, clerk, typist B, Business Administration; Toni Greenhauer, secretary C, Human Development; Bob Grenoble, architect, structural and architectural analysis, Physical Plant.

Margo Groff, administrative assistant, Liberal Arts; Shirley Gryczuk, personnel assistant, Physical Plant; Harold Hackman, maintenance inspector, landscape and janitorial, Physical Plant; Bernadine Hahn, data processing clerk, Business Services; Diane Holencik, USDA Pasture Lab; Teddy Hoover, senior clerk, data processing, Planning and Budget.

Lloyd Houck, civil engineer, Physical Plant; Janet Jordan, budget clerk, Education; Ruth Kilhofer, secretary A,

Continuing Education; Dawn Lauck, secretary C, Engineering; Puring MacDonald, senior planning analyst, Planning and Budget; Katherine Maninakos, secretary C, Intercollegiate Research Programs; Jane McCoy, secretary B, Human Development.

Anne Minshall, personnel coordinator, University Libraries; Polly J. Muthersbaugh, secretary B, Education; Marcia Myers, senior accounting clerk, Admissions; Debbie Oberle, secretary B, Engineering; Val Jean Owens, secretary C, Engineering; Lou Plank, supervisor of storeroom operations, Physical Plant; Susan Rinehart, secretary B, Business Administration.

Daisy Romig, clerk, records A, Graduate School; William Rose, supervisor, service desk, Physical Plant; Pat Simmet, secretary C, Education; Trudy Smith, personnel coordinator and assistant to the dean, Business Administration; Mary Jo Spicer, data processing clerk, Physical Plant; Karen

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Ecology, 4 p.m., 8 Mueller Lab. Sievert Rohrer. Univ. of Washington, on "Delayed Maturation in Male Passerines: Studies of Evolutionary Problems of Communication."

Exhibits

Museum of Art

Museum Hours: 11 a.m.-4:30 p.m. Closed Mondays. Tours, Sundays, 1:30 p.m.
Chinese Jade Carvings from the Collection of Dr. and Mrs. Harold L. Tonkin.
Jerome Witkin — Paintings and Drawings. A Decade of Work.

Visual Arts Bldg., Zoller Gallery

Gallery Hours: Monday through Friday, 9 a.m.-5 p.m. Saturday and Sunday, 1-5 p.m. Tod Savinard: Installations, through Feb. 27.

Sweeney, secretary B, Engineering; Sharon Symanovich, administrative aide, Engineering; Max Tornatore, architectural designer, Physical Plant.

Linda K. White, secretary B, Admissions; Grace Widmann, accounting assistant, Controller's Office; Lee Wingand, maintenance inspector, electrical and mechanical, Physical Plant; Phil Witmer, manager, administrative services, Physical Plant; Elizabeth Worman, clerk, typist B, Engineering; Cynthia Yarnell, secretary B, Graduate School; Margaret Zimmerman, secretary C, Athletics.

Thirteen University staff personnel have completed the Alcohol Awareness Program. Participating were:

David Andersen, William Devlin, Ronald Fitzer, Dave Grebos, Linda Kopp, Bill Leep, William McKivicker, Anne Minshall, Roy Noll, James Sampsell, Trudy Smith, Nancy Strouse and Louise Trego.

Bookshelf

Dr. John W. Burnside, professor of medicine and associate provost and dean for Health Affairs in the College of Medicine, is co-author of *Health and Human Values*, published by Yale University Press.

Dr. Burnside and two co-authors discuss the difficult and sometimes controversial moral and legal questions raised by modern developments in medical science. How much information should a physician give a patient? If preserving life means increasing suffering, should every means be exercised to prolong life? Should we screen the population and reduce the reproductive freedom of individuals with genetic diseases?

The authors discuss other provocative problems facing health care professionals, patients and their families such as euthanasia, abortion, in vitro fertilization, informed consent and determination of death.

Dr. Burnside's co-authors are Frank Haron, a writer and educator who is director of the Health and Human Values Program, Philadelphia, and Tom Beauchamp, professor of philosophy and senior research scholar at the Kennedy Institute of Ethics, Georgetown University.

Dr. Gideon Golany, professor of urban and regional planning, is the editor and contributor of *Design for Arid Regions* published by Van Nostrand Reinhold Company, and *Desert Planning: International Lessons* published by The Architectural Press: London and Nichols Publishing Company, New York.

Design for Arid Regions is a collection of articles by 16 specialists who are the practitioners and practitioners in the arid region. The book focuses on housing and

city design for the urban designers, architects, planners and decision makers who will build in these fast-growing parts of the world.

Desert Planning: International Lessons brings together a number of interdisciplinary scholars from many countries to discuss the urban and regional development of arid zones. Emphasis is placed on the lessons of ancient civilizations.

Research carried on over the past 10 years in the Rock Mechanics Laboratory in the College of Earth and Mineral Sciences is summarized in a two-volume monograph, *A Microseismic Study of an Underground Natural Gas Reservoir*, published by the American Gas Association.

Authors of the monograph are Dr. H.R. Hardy, Jr., professor of mining engineering and director of the Rock Mechanics Laboratory; Dr. Gary L. Mowrey, who received his Ph.D. in mining engineering at Penn State and is now employed by Shell Development Company, Houston, Texas; and Edward J. Kimble, Jr., research aide in the Department of Mineral Engineering.

Included in the studies described in the monograph is a four-year field project carried out at a large natural gas storage reservoir in central Michigan. There microseismic techniques were used to evaluate the stability of the underground storage facilities as increasing amounts of gas were injected into the rock reservoir, thereby increasing the pressure exerted on the rock.

The techniques used to monitor the reservoir involved the detection and recording of acoustic emissions — exceptionally tiny "sounds" — that may emanate from a rock body as it is subjected to stress from the pressure of the gas put into it. Objective of the study was to determine optimum safe pressures

for the storage of gas in such reservoirs and thus lead to their more efficient use.

Alan E. Knight, associate professor of French, in his book, *Aspects of Genre in Late Medieval French Drama*, investigates the many different types of plays that were staged in France between 1400 and 1550.

The book, which will be published in March by Manchester University Press, England, has been awarded the 1982 Gilbert Chinard Literary Prize.

The \$1,000 prize is awarded annually by the Institut Français de Washington for work in the history or criticism of French literature.

The award is made to a North American scholar for a book in manuscript form, in either French or English, that has not been published, although it may have been accepted for publication.

Dr. Knight has been on the faculty at Penn State since 1964. He says the question of genre is of fundamental importance for understanding late medieval French drama.

Since the 16th century, when the classical distinction between comedy and tragedy was first introduced in France, critics have classified medieval plays according to an analogous pattern, separating comic from religious works.

This distinction, however, is alien to the culture in which the plays were written. A generic distinction based on the opposition between history and fiction is shown to be more in accord with medieval thought and dramatic practice.

The real stumbling block of all previous attempts at generic classification has been the morality play. Dr. Knight deals with this genre by distinguishing between the fictional worlds of the morality play and the farce.

He also examines the relationship of late medieval drama to the procession

structure which was integral to virtually all ceremonial observances of that society.

Dr. Robert L. Weber, retired associate professor of physics, is the author of two books published in November.

Similarities in Physics, which he wrote with John N. Shive, is aimed at science and engineering students who have already studied the first principles of physics. It is published by Adam Hilger Ltd., the Institute of Physics, Bristol, United Kingdom; and Wiley Interscience, Halsted Press, New York.

It is designed to tie similar phenomena together, wherever they may appear, in mechanics, acoustics, optics, electricity, heat or theoretical physics, and to call attention to the similarities among them.

The philosophy of the book is that physics may be simpler than you think; nature is marvelously regular in its behavior; analogies helpfully link what is being studied to what is already understood.

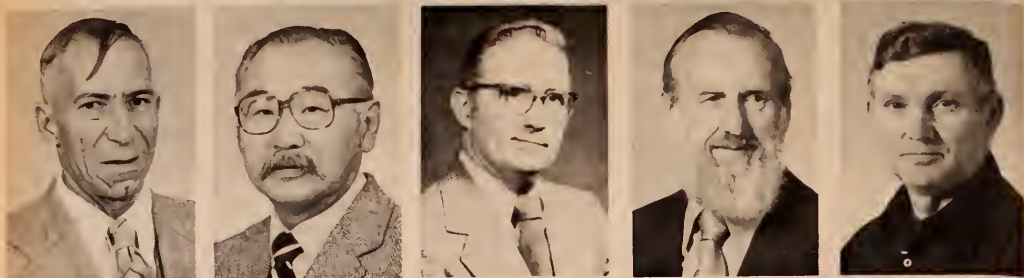
Although it is not designed as a textbook, it may be used by teachers to present second-level physics from the analogy point of view. Its greatest usefulness is as collateral reading material and as an aid to students at all levels studying for comprehensive examinations.

His second book, *More Random Walks in Science*, is a sequel to *A Random Walk in Science* (1974), published by Heyden and Son Inc., Philadelphia.

In the first book, which is also an anthology of scientific humor, he looked at such subjects as "Heaven is Hotter than Hell."

In his latest effort, he continues his search for scientific humor with such research gems as "The flittering, spiraling flight of cyclotron evolution," "Tracking the elusive quark," "Twist earth and sky with matter-horns."

25-year service awards in



Observing 25 years of service in the College of Agriculture are, from left, Robert H. Akers, advance registry organization supervisor, Central Milk Testing Laboratory; Dr. Chiko Haramaki, professor of ornamental horticulture; John P. Harris, Perry County extension agent;

Dr. Russell J. Hutnik, professor of forest ecology; William Lingle, farm machinery operator, Farm Operations.

Promotions

Administrative

Richard G. Swails, Jr., to director of corporate relations in Gifts and Endowments.

Staff Exempt

Kirk E. Barbieri to assistant extension agent in Agriculture.
Glenn G. Carter to associate dean of admissions in Undergraduate Admissions.
Eugene Danko to supervisor, night and weekend operations (Janitorial and Services) in Physical Plant.
Carolyn A. Dolbin to administrative assistant in the Provost.
Douglas L. Ednie to manager, animal resource facility at Hershey.
Carol B. Harnes to manager, medical records at Hershey.
Robert C. Pollock to assistant extension agent in Agriculture.

Staff Non-Exempt

Al W. Adams to estimator-inspector in Physical Plant.

Clerical

Susan L. Doland to accounting clerk in Engineering.
Donna F. Lance to secretary B in

Agriculture

Carrie C. Leitzell to clerk, typist A in Agriculture.
Barbara R. Peterson to clerk A in Business Services.
Patricia A. Sandoe to patient unit secretary at Hershey.
Helen M. Sauer to senior office secretary in Student Administrative Services.
Nelda L. Shaner to senior clerk, student aid accounts at Berks.
Katherine P. Tressler to secretary B in Undergraduate Admissions.
Patricia A. Waite to senior clerk — BEOG Program in Student Administrative Services.

Technical Service

Kenneth Barger to mechanic B, waste water treatment plant in Physical Plant.
San Tran Dang to utility worker at Hershey.
Donna J. Garbrick to residence hall utility worker in Housing and Food Services.
John A. Gibboney to mail sorter and relief clerk in Business Services.
John A. Klahr to senior instrument processing aide at Hershey.
Sondra Lumpkin to baker-utility in Housing and Food Services.
Linda J. Risser to patient nourishment assembler at Hershey.

Obituaries

Dr. Floyd L. Carnahan, professor emeritus of chemical engineering and assistant dean emeritus of the College of Science, died Feb. 4 at the age of 77.
A graduate of Penn State, he received an M.S. and Ph.D. at Northwestern University. He was named an instructor in chemical engineering Sept. 1, 1930, and retired Feb. 1, 1966, as assistant dean emeritus.

He was the author or co-author of more than 20 technical papers and also compiled several histories of Penn State organizations and directories of students and classmates. He was a member of numerous technical and honorary societies.

Nora E. Wittman, who retired Feb. 1, 1960, as assistant professor of German, died Feb. 10 at the age of 85.

A native of St. Marys, she received her baccalaureate degree at Penn State and masters degree at Cornell University and did additional study in Germany and at the University of Wisconsin.

She joined the University faculty Sept. 1, 1932, as instructor in German and was promoted to assistant professor July 1, 1949.

Miss Wittman was active in the American Association of Teachers of German and served several terms as the national chairman of its committee on foreign languages in elementary schools.

The author of *Teacher's Guide for Beginning German in Grade Three and Brief German Reference Grammar*, she was responsible for introducing German teaching to the public schools of St. Marys and State College.

Harold H. Cartwright, environmental health worker, animal caretaker and custodian at the Hershey Medical Center since Oct. 10, 1976, died Feb. 10. He was 62.

Alfred J. Kolka, associate professor of chemistry at the New Kensington Campus, from Aug. 19, 1968, until his retirement July 1, 1979, died Feb. 5 at the age of 68.

Orville Reinbold, foreman, landscape and janitor foreman in Physical Plant, from May 1, 1966, until his retirement July 1, 1977, died Feb. 5. He was 71.

Anna E. Malone, librarian in the College of Agriculture, from Sept. 1, 1938, until her retirement April 1, 1966, died Jan. 2 at the age of 82.

March 27 at the Woodmere Art Gallery in Philadelphia.

Dr. Rustum Roy, chairman of the Science, Technology and Society Program, on leave as a Science and Public Policy Fellow at the Brookings Institute, testified before the House Committee on Education and Labor on new elements in any re-vitalized program for mathematics and science education.

Dr. William L. Vogely, professor and head of the Department of Mineral Economics, presented the keynote address, "Resource Assessment and Mineral Development," at the eighth International Conference of the Committee on Data for Science and Technology in Warsaw, Poland.

Dr. Judith Weisz, professor and chief of the Division of Reproductive Biology at the Hershey Medical Center, has been named chairperson of a public Board of Inquiry convened by the Food and Drug Administration to evaluate the safety of the contraceptive drug Depo-Provera.

Dr. Francis H. Witham, professor and head of horticulture, has co-authored a book, *Plant Physiology*. The book, a text in introductory plant physiology for students majoring in agronomy, agronomy, biology, horticulture, and plant science, will be published by Willard Grant Press of Boston in March.

Penn Staters

Frank G. Bamer, professor emeritus of agronomy extension, has received the Distinguished Grasslander Award from the American Forage and Grassland Council.

Dr. C. Wayne Burnham, professor of geochemistry and head of the Department of Geosciences, has been named by the Society of Economic Geologists to serve as one of its two Thayer Lindsley Distinguished Lecturers for 1982-83. He has already spoken at the Geological Survey of Canada in Ottawa, the University of Toronto, the University of Montreal, McGill University, Princeton University, and the South Dakota School of Mines on "Processes of Hydrous Magma Generation," and "Evolution of Hydrothermal Fluids from Magmas."

Dr. William L. Ferrara, professor of accounting, has been elected chairman of the newly formed Management Accounting Section of the American Accounting Association (AAA).

Marlowe Froke, general manager of the Division of Learning and Telecommunications Services, has been named recipient of the Pennsylvania Outstanding Adult Educator Award presented by the Pennsylvania Association for Adult Continuing Education.

Dr. Paul A. Games, professor of educational psychology, has been cited as one of 39 "eminent psychologists" in a biographical study of 770 University of Iowa psychology Ph.D.s.

Robin Gibson, instructor of art, is one of three artists currently featured at the Gallery North in Setauket, N.Y. The exhibition will run through March 20.

Dr. Stanley F. Gilman, professor of architectural engineering, presented a paper entitled "Energy Conservation Design of HVAC Systems in the USA" to the Professional Engineering Society of New Zealand in Hamilton, New Zealand, as a representative of the American Society of Heating Refrigerating and Air Conditioning Engineers.

Dr. Richard L. Gordon, professor of mineral economics, presented a paper on "Market Risk in Supplying Coal and Uranium to U.S. Electric Utilities" at a conference on risks and return in large-scale natural resource projects held at the Rockefeller Foundation's conference center in Bellagio, Italy.

Dr. H.R. Hardy Jr., professor of mining engineering and director of the Rock Mechanics Laboratory, presented a paper, "Stability Monitoring of Underground Structures Using Acoustic Emission Techniques," at the International Society of Rock

Mechanics Symposium on Seismicity in Mines at Johannesburg, South Africa. He also presented a seminar on "Current Rock Mechanics Research at Penn State," in the Department of Mining Engineering at the University of Nottingham, England, and a paper on "Design and Stability Monitoring of Salt Caverns" at the first European meeting of the Solution Mining Research Institute in Manchester, England.

Dr. Adrian Oanceanu, assistant professor of mathematics, has been awarded the only research fellowship to go to a mathematician this year at the Adolph C. and Mary Sprague Miller Institute for Basic Research in Science. The Miller Institute, based at the University of California, Berkeley, annually awards research fellowships to outstanding young men and women in order to "discover and encourage the work of individuals of great talent or promise."

Dr. Evan G. Pattishall Jr., dean of the College of Human Development, has been reappointed to the Behavioral Medicine Study Section of the National Institutes of Health. The group meets three times yearly to review scientific grant proposals for research on heart, lung, cancer, nutrition and neurological diseases, as well as human development and gerontology.

Diane Pepe, associate professor of art, will have a one-person show of "Recent Works on Paper" Feb. 27 to

the College of Agriculture



Joseph A. Macielek, associate professor of agricultural extension; Dr. Lawrence W. Specht, professor of dairy science extension; Charles C. Wian, agronomy technician; William R.



Walker, poultry worker, Poultry Plant; John W. Witmer, butter and cheese maker, University Creamery.



Staff Development

Thirty-seven clerical employees from the Eastern Region Campuses have completed a special two-week Clerical Enrichment program. Participating were:

Jacqueline A. Allabaugh, Wilkes-Barre; Karen D. Anderson, Delaware; Juliet A. Avery, Worthington; Dora A. Bader, Delaware; Virginia T. Beemer, Ogontz; Carol A. Breswick, Worthington

Scranton; Patricia A. Bulman, Dorothy E. Carroll, and Joann M. Cliggett, Ogontz; Jane D. Cochran, and Carole A. Cooney, Hazleton.

Mary S. Davis, and Dorothy Marie Diggins, Delaware; Judith L. Donahue, Berks; Ellen R. Gold, Betty J. Good, and Madelyn Gradel, Ogontz; Barbara Griguts, Worthington; Elaine M.

Kevak, Wilkes-Barre; Marjory J. Klusewitz, and Sandra Lee Kreis, Berks; Nina L. Lawson, Ogontz; Elizabeth J. MacKnight, Delaware.

Marie B. Magalski, Worthington; Sandra M. McKee, Ogontz; Dolores B. Mhley, and Rose Mulhern, Hazleton; Lorraine C. Palko, Schuylkill; Dorothy A. Paschall, Delaware; Iris Pollack, Ogontz; Karen R. Pothering, Schuylkill; Nelda L. Shaner, Berks; S. Darlene Stiles, Schuylkill; Kathryn K.

Tremblay, Ogontz.

Joan Updegrave, Allentown; Doris L. Wesley, Delaware; Marion C. White, Worthington; Scranton.

Partings

Dr. Louise Gentry, professor of home economics education and human development, has retired with professor emeritus rank.

Dr. Gentry came to Penn State in 1964 as assistant dean and professor of home economics education in the former College of Home Economics. She also held the posts of assistant dean for resident instruction and associate dean for undergraduate education and student affairs in the College of Human Development.

A native of Paducah, Kentucky, Dr. Gentry received her bachelor of science degree in home economics education from Murray State College in Kentucky. Her master of science degree was earned at Purdue University and her doctor of philosophy degree is from Ohio State.

Prior to coming to Penn State, she was professor and head of home economics education at Colorado State University. She also served on the faculty of Washington State University as head of the home economics education

department and assistant state supervisor of home economics education. In addition, she taught at Purdue University and was a high school teacher in Lombard and Columbia, Illinois.

Among major honors she has received are an Inner City Fellowship from the American Home Economics Association in 1970 and recognition as Outstanding Alumna of the School of Home Economics at Ohio State University in 1971. At the 1983 meeting of the Association of Administrators of Home Economics in State Universities and Land Grant Colleges, she was cited for "outstanding contribution to the field of home economics administration in higher education."

Dr. Gentry served as president of the board of trustees of the American Home Economics Association from 1967-69 and held several other major posts with that organization. She is a past chairman of the National Association of Teacher Educators of Home Economics and also holds memberships in the National Council of Administrators of Home Economics and the American Vocational Association. She is a member of the honor societies of Kappa Delta Pi, Omicron Nu and Phi Upsilon Omicron.

Pennsylvania's grasslands are greener and somewhat better utilized than in the rest

of the country thanks in part to Dr. John E. Baylor's more than 25 years as an agronomist at Penn State. In fact,

Pennsylvania gets about 50 percent of the potential utilization out of grassland, compared to only 25 percent nationally.

Dr. Baylor, who retired Feb. 16, is most proud of the interdisciplinary cooperation that has developed in the Extension forage program. As Penn State's first full-time Extension agronomy forage specialist, he had a number of firsts: helping initiate Penn State's Forage Testing Service; being a founder and first president of the Pennsylvania Grassland Council; developing the Pennsylvania Hay and Silage Show programs and the Alfalfa Growers Program.

Central to Dr. Baylor's career in this dairy state is forage quality. He has seen the forage testing program grow from nothing to 14,000 samples tested a year. Dr. Baylor received his B.S. and M.S. degrees from Rutgers University, majoring in agronomy. He earned his Ph.D. degree at Penn State.



Dr. John E. Baylor

Dr. Baylor has traveled extensively, including 15 trips to the Andros Island in the Bahamas during the five years Penn State helped develop a research center there. He has made several trips to Brazil and surrounding countries, and in 1970 spent six months on sabbatical leave in New Zealand and Australia. He was chairman of the Governing Board for the fourteenth International Grassland Congress held at Lexington, KY, in 1981. He and his wife, Henrietta, have two daughters, one who lives in State College and the other in Temple, Texas.

During her 35 years at the University, Josephine "Jo" Moore saw the evolution from manual typewriters and carbon paper to electric, photocopiers, and most recently word processors.

Jo joined the University as a secretary in the Department of Zoology and Entomology, College of Agriculture, when she was fresh out of The Altona School of Commerce. The College of Agriculture was the perfect place for her, she says. "I was a farm girl, born and raised on a dairy farm near Warriors Mark. For the first three years that I worked at the University, I had to get up and milk the cows before coming in and then milk them again when I got home at night." She stayed with the College of Agriculture for 20 years and transferred to the College of Science and the Department of Biology in 1967. She was promoted to her position in the Department of Computer Science in 1969.

Anyone who knows Jo also knows that her retirement will be busy. When her husband, Bob, is not using her office expertise in his insurance and printing business, she expects to be sewing, baking, or planning her next project. Some of her favorite hobbies are making her own clothes, baking and decorating cakes for all occasions. She also is interested in antiques. Her favorite is a collection of iron stone china that dates from the 1800s. She also is interested in the history of covered bridges and family genealogy. An active volunteer, she is a member of the Centre Community Hospital Auxiliary, is an active member in her church, St. John's United Methodist, where she is a member of the chancel choir and serves on several committees. She is a member of the Order of the Eastern Star, was Matron in 1967-68 and District Deputy in 1980.

Jo says, "I will miss the many good friends and acquaintances I made throughout my working career, but life will always be full with old friends, and new who come to share my homemade ice cream, dinners, or just an evening by the fire."

She and Bob plan to spend some time fishing at Lake Biscataway, Ontario, Canada and in the near future will plan a trip to Alaska.

Lawrence V. Rubright, Extension area marketing agent, retired Feb. 1 after 23 years of service.

His responsibilities included developing and conducting educational marketing programs in eight southwestern counties:

Obituary

Helen P. Ishler, lab attendant in the College of Agriculture from Sept. 1, 1964, until her retirement Jan. 1, 1977, died Feb. 10. She was 67.



Josephine Moore

Butler, Beaver, Allegheny, Washington, Westmoreland, Greene, Fayette, and Somerset.

Rubright, a native of Murrysville, received his B.S. and M.S. degrees, in agricultural education and agricultural economics, from the University.

Prior to his appointment to the Extension Service staff in 1959, he was employed by a commercial firm in the Pittsburgh area. He is a member of Alpha Gamma Rho, agricultural honorary fraternity; Alpha Tau Alpha, honor society in agricultural education, and the American Farm Economics Association.

The Office of Physical Plant this month is losing two long-standing veterans from its work force.

John H. Kephart and Richard J. Truscott are retiring from the University.

Mr. Kephart, who has worked for the University for 43 years, retires from his duties as a building inspector, while Mr. Truscott leaves his masonry duties after 28 years of service.

Barry E. Donbaugh, manager, Employee Relations in Personnel Administration, from Aug. 24, 1970, to Feb. 12.

Patricia H. Meiser, assistant professor, Health, Physical Education and Recreation, from Sept. 1, 1970, to Feb. 1.

Alice M. Bruce, clerk, file, at Hershey, from Nov. 29, 1971, to Jan. 22.

Mary Hoffman-Miller, associate extension agent in Agriculture, from Feb. 1, 1972, to Nov. 1.

Visiting scholar receives British Empire honor

Susan Bambrick has been appointed by Elizabeth II, Her Majesty The Queen, as an Officer of the Most Excellent Order of the British Empire.

Dr. Bambrick, Fulbright Australian Scholar-in-Residence at Penn State, was awarded the honor on the recommendation of the Australian government.

Her name appeared on the annual New Year Honours List for 1983. Since then, she has received more than 100 telegrams, cables, letters and phone calls from around the world congratulating her on being selected for the honor.

"It's a significant event in one's life," she says. "I was surprised and delighted."

The award, which was founded in 1917, is conferred for services rendered to the Empire, she says. The British no longer use the "Empire" designation, but the formal title has been retained.

There are five divisions in which medals are awarded: Knight or Dame Grand Cross, Knight or Dame Commander, Commander, Officer and Member. The higher the distinction, the fewer the number of awardees, Dr. Bambrick says.

"Although I was away from Australia when the awards were announced, I will be home for the investiture ceremony at Government House in Canberra (Australia)," she says. She will receive a medal during the ceremony. The medal can then be worn on state occasions.

As Fulbright Australian Scholar-in-Residence, she spends her time counseling students who are working on projects relating to Australian mineral development and doing her own research. She is at the University under the auspices of the Australian Studies Center.

Since her arrival in November, she has been working on a comparison of United States and Australian policies on minerals and energy. In December, she presented a paper on Australian energy resources at a conference on that topic held at the

University by the Australian Studies Center. She will return to Australia in March.

As a Fulbright scholar, she also has traveled and lectured at the universities of Texas and Oregon.

Fulbright awards allow those honored to travel and study for up to 12 months, but Dr. Bambrick will spend only four months outside Australia because of her commitments to The Australian National University. She is a senior lecturer in economics there.

In 1965, she received a bachelor's degree in economics from the University of Queensland. In 1970, she earned a Ph.D. in the Research School of Social Sciences, The Australian National University.

She is a fellow and immediate past president of the Australian Institute of Energy. Since 1977, she has been course director of the Australian Mineral Foundation.

Dr. Bambrick has written a book, *Australian Minerals and Energy Policy* (1979), and many articles. She was a visiting fellow at the Centre for Resource and Environmental Studies at The Australian National University in 1975 and 1978. In 1981-82, she was a research fellow with Resource Systems Institute, East-West Center, Hawaii.

In 1982, she was director of studies for the Australian Public Service Board, and since 1980, she has been a member of the Science and Industry Forum of the Australian Academy of Science.

She has served her government as a member of the Uranium Advisory Council and chairperson of its economic and social subcommittee; and as a member of the Trade Development Council, its executive and its panel on trends in trade, and a chairperson of its panel on export franchise limitations.

Her other government activities include being a member of Technical Standing Committee Seven of the National Energy

Research, Development and Demonstration Council, and a member of the Commonwealth Scientific and

Industrial Research Organization Advisory Council and its standing committee on Mineral, Energy and Water Resources.



Susan Bambrick

Photo: Scott Johnson

News in Brief

Measles warning issued

The Center for Disease Control in Atlanta, Ga., has warned University health officials that a major measles epidemic is in effect at Indiana University in Bloomington, Ind.

Dr. John A. Harglerod, director of University Health Services, said the CDC is contacting other major universities to warn that persons planning to travel to that campus should make sure they have had measles or have up-to-date immunizations. Teenagers and young adults, in particular, may have received

immunizations as children that are no longer protective.

Dance Marathon raises \$131,000
The annual Interterritory Council Dance Marathon raised more than \$130,000 in pledges for children afflicted with cancer and their families at the Hershey Medical Center.

The Four Diamonds Fund, which financially helps the children and their families with the financial expenses of treatment received at the Center and which also funds cancer research, will be the beneficiary of pledges totaling \$131,161.69. That surpasses the 1983

Dance Marathon goal of \$100,000.

A total of 355 dancers completed the marathon. Initially, there were 502 dancers competing in three divisions. The marathon began at 7 p.m., Friday, Feb. 4, and ended at 7 p.m. Sunday, Feb. 6.

Foundation awards fellowships

The McKenna Foundation of Kennemetal, a leader in powder metallurgy products, has awarded \$10,000 fellowships to graduate students, Michael W. Hawman, engineering science and mechanics, and Gregg Wagner, metallurgy.

Kennemetal, which spends about \$10 million annually on research, organized the Philip M. McKenna Foundation,

naming it after a Kennemetal chief executive.

The fellowships were awarded after the University's Office of Industrial Research and Innovation arranged a campus visit between Kennemetal executives and University scientists and engineers. Following the visit, David Arnold, Kennemetal vice president and director of technology, invited six Penn State scientists to the firm's headquarters in Latrobe.

The McKenna Fellowships are renewable for up to three years. Faculty advisers to Hawman are Drs. Paul Cohen, Joseph Conway, and Robert Pangborn. Dr. George Simkovich is Wagner's adviser.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., March 3, 1983. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

● **Accountant - HUB Food Service, Housing and Food Services, University Park** — Responsible to the manager of business services for the efficiency of the HUB Food Service Accounting Office, including inventory, operating and case reports (includes work flow through a word processor and micro computer.) Associate degree or equivalent in accounting,

plus one to two years of effective experience required. Experience with micro computers highly desirable. Knowledge of word processing equipment desirable.

● **Senior Applications Programmer/Analyst, Commonwealth Educational System, University Park** — Develop major data processing programs involving data base management and telecommunications applications. Prepare documentation to support program operation. Prepare operator's manuals and train operations personnel; operate tests of programs; analyze results for compliance with user specifications. Bachelor's degree or equivalent, preferably in computer science or mathematics, with a working knowledge of COBOL, BASIC, or RPG II required, plus two to three years of effective experience in computer programming, management information systems, and/or automated control systems. Experience in accounting, financial management, budgeting, or other administrative areas is desirable. Experience in programming a Digital VAX Computer helpful. **FIXED TERM POSITION FUNDED THROUGH 6-30-84**

● **Coordinator, MS/PhD, College of Business Administration, University Park** — Responsible to assistant dean faculty director, graduate

programs for coordination of activities among the graduate departments and promotion of PhD/MS programs. Coordinate the graduate student foreign exchange and study-abroad programs. Channel job opportunity information to academic departments. Monitor progress of

students through the programs. Coordinate efforts to promote PhD/MS programs. Bachelor's degree in business, or equivalent master's degree preferred; plus one to two years of effective experience. Fixed Term 1 position. Funding beyond June 30, 1983 likely.

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Budget request presented to legislative committees

The University's 1983-84 State appropriation request is \$158,078,000, a requested increase of \$14,597,000, or 10.2 percent over the 1982-83 appropriation level.

The Governor's budget proposes an appropriation of \$146,377,000, or an increase of \$2,896,000 (2.0 percent) over last year's level.

In hearings on the request last week before the House and Senate Appropriations Committees in Harrisburg, University administrators presented information in the form of a series of questions and answers about Penn State and the situation facing the University as it approaches the 1983-84 fiscal year.

In this and a subsequent article, Intercom will detail some of these questions and answers in the University's 1983-84 budget presentation.

What Are the "Mandatory" Cost Increases? How Have Such Cost Increases Affected the University's Budget in Recent Years?

•Mandatory cost increases are those increases that are imposed by external agencies, or those resulting from conditions that are not under the University's control.

•Some examples of mandatory cost increases are:

- Health care costs
- Social Security costs
- Retirement costs
- Fuel and utilities costs
- Costs for group hospitalization and medical insurance have increased by 110

percent in the last three years — from \$5.8 million in 1979-80 to \$12.2 million in 1982-83. These costs will increase by an additional \$1.9 million in 1983-84.

•Retirement costs, primarily SEERS, have increased by 395 percent since 1972-73 — from \$7.7 million to \$38.4 million. Social Security costs have escalated by 223 percent — from \$5.5 million to \$17.9 million — during this same period.

•Fuel and utilities costs, including oil, coal, natural gas, electricity, and water increased by 68 percent in the last five years, from \$5.5 million to \$9.0 million. Two thirds of these increases occurred in one year (1981). Although we are experiencing some relief in the price escalation of coal and oil, natural gas and electricity prices continue to rise sharply. The University anticipates additional increases of \$2.3 million in fuel and utilities costs for 1983-84.

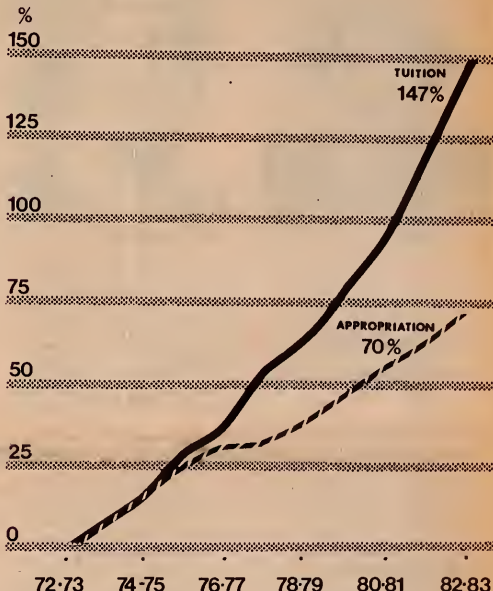
•The equivalent of 86 percent of Penn State's total appropriation increases since 1972-73 have gone to paying for these mandated cost increases.

What Are the Implications of Receiving So Much Less than the Requested Appropriation Amount?

•In this time of a seriously troubled economy, Penn State understands the Commonwealth's tight revenue situation and the difficult decisions facing the Legislature. With a shortfall of \$11,701,000 between the University's request for 1983-84 and the amount the Governor was

(Continued on page 3)

PERCENT CHANGE IN TUITION AND APPROPRIATION



Nominations sought for all-University awards

President Oswald has appointed a general committee chaired by Rosemary Schraer to coordinate the solicitation of nominations for three all-University awards — the McKay Donkin Award, the John E. Wilkinson Award for Administrative Excellence, and the Barash Award for Human Service.

As in previous years, three subcommittees will screen nominations

and develop recommendations for the respective awards.

Members of the Wilkinson Award Subcommittee are William W. Asbury (chairperson), James B. Bartoo, Doris M. Seward, and Ralph E. Zilly. Members of the Donkin Award Subcommittee are Ray T. Fortunato (chairperson), Theodore L. Gross and Frederick W. Lampe. Members of the Barash Award Subcommittee are

Martha A. Adams (chairperson), John D. Miller, James R. Palmer, Michael S. Silverman, and Lorraine D. Vincent.

Nominations for the 1983 awards are encouraged from either organizations or individuals in both the University and the local community. Letters of nomination and supporting materials should be sent to Rosemary Schraer, 205 Old Main, no later than Monday, April 4.

Supporting information which accompanies nominations should be as brief as possible. Nominators should emphasize those qualifications and activities relevant to the particular award for which the individual is being proposed. A brief description of the qualifications for each award follows:

The McKay Donkin Award was established in 1969 in honor of the late McKay Donkin who served as vice

(Continued on page 3)



Lee Shout holds the original letter offering land for the Farmers' High School.

At Centre Furnace Mansion

University's past to be relived

The University will see part of its past come to life with the restoration of the Centre County Historical Society's Furnace Mansion.

Centre Furnace Renaissance '83 is the society's campaign plan to preserve and rekindle the past with the \$300,000 restoration of the mansion, located off the Benner Pike adjacent to campus property.

For the University, heart of the revitalization efforts will be the restoration of the first-floor University Founders' Room to commemorate the role of Centre Furnace in bringing the Farmers' High School to Centre County.

The Founders' Room campaign has a goal of \$50,000 over a three-year period. Dr. Richard E. Grubb, senior vice president for administration who is serving as University campaign chairman, said there will be no university-wide solicitation. Only interested individuals will be contacted.

Centre Furnace Iron-Works, the county's first charcoal ironmaking industry, was established about 1791 by Gen. Samuel Miles and Col. John Patton, two Revolutionary War officers from southeastern Pennsylvania.

The Iron Works marked the origin both of the name and of the creation of Centre County in 1800. The iron

business grew so rapidly that between 1800 and 1850, Central Pennsylvania, notably Centre, Huntingdon and Cambria Counties, produced more than half of all the pig-iron smelted in the United States.

The industry and the economic power it brought were responsible for the growth of the area. The accompanying political power resulted in five Pennsylvania Governors, and three more nominees, from the Bellefonte area between 1850 and 1880.

Two Centre Furnace ironmasters, Gen. James Irvin, a candidate for Governor in 1847, and his brother-in-law, Moses Thompson, offered land and hospitality to the Pennsylvania Agricultural Society in order to locate a Farmers' High School here.

Their gift of 200 acres of Centre Furnace lands adjacent to the ironmaster's mansion set the stage for the school's location in Centre County rather than in the six other counties that were bidding for it.

Moses Thompson, who lived at Centre Furnace and served as its ironmaster, owned extensive lands, supported the development of the county's canals and railroads and was one of the people responsible for financially assisting the school. He served as secretary of

(Continued on page 3)

Women's conference planned during Alumnae Day

A day-long conference by, for and about women entitled "Invest in Yourself", will be held at the University Park Campus Saturday, April 9, as part of Penn State's third biennial Alumnae Day.

Among the featured speakers will be Dr. Mary-Linda Sorber Merriam, president of Wilson College, Chambersburg, Phyllis Beck, judge of the Pennsylvania Superior Court, and Cecile Springer, a University trustee.

The conference is open to all women —

and men — interested in learning, reflecting about and discussing the choices, the challenges and the changes women face in today's society. It is sponsored by the Penn State Alumni Association and the Division of Continuing Education.

Workshops centering around the themes: "Invest in Yourself — at Home — at Work — In Your Community" will be

conducted by University faculty members and alumnae. Participants will include Dr. Maureen Carr, director of the School of Music; Dr. Carol Cartwright, associate dean for academic affairs of the Commonwealth Educational System; Dr. Annette Ezell, head of the Department of Nursing; Dr. Leila Moore, associate professor of education; Louise Sandmeyer, assistant director of the

Career Development and Placement Center; Dr. Doris Seaward, executive assistant to the president; Dr. Linda Shoop, associate professor of educational psychology at the New Kensington Campus and Dr. Elaine Young, assistant professor of nursing.

Dr. Merriam became the 17th president of Wilson College, one of the oldest women's colleges in the nation, in 1981. She earned her bachelors, masters and doctor of philosophy degrees in speech communication from Penn State and has studied at the Center for the Study of Language at Neuchatel, Switzerland.

Judge Beck was appointed to the Superior Court in 1981. She holds degrees from Brown University, Bryn Mawr and Temple University.

Mrs. Springer is director, Contributions and Community Affairs, Westinghouse Electric Corp., Pittsburgh. In addition to serving as a trustee at Penn State, she is a trustee at Carlow College and Slippery Rock and is a volunteer for numerous other activities.

Conference registration begins at 8:30 a.m. at the Keller Conference Center, with workshops concluding at 4 p.m. For more information on the program, contact Heather Gilbert, 105 Old Main, 865-6517.



Cecile Springer



Mary-Linda Merriam



Hon. Phyllis Beck

Lecture series is scheduled for March 21-24

Dr. Earl L. Muetterties, professor of chemistry at the University of California, Berkeley, will present the 1983 series of Priestley Lectures at the University Park Campus March 21-24. The lectures, entitled "Transition Metal Chemistry," are sponsored by the College of Science and are open to the public free of charge.

The lectures will be presented at 8 p.m. March 21, 22, 23, and 24 in Room 119

Osmond Laboratory. The individual presentations are entitled "Coordination Chemistry of Metal Surfaces I," "Coordination Chemistry of Metal Surfaces II," "Molecular Clusters: I. A Comparison of Clusters and Surfaces," and "Molecular Metal Clusters: II. Chemistry of Metal Clusters."

Dr. Muetterties is an authority on homogeneous catalysis by transition metal

complexes. The author of more than 250 papers in scholarly journals, he is inventor or co-inventor on about 50 U.S. patents and as many foreign patents.

The Priestley Lectures are named in honor of Joseph Priestley, the 18th century chemist and discoverer of oxygen. They were established by the late Professor Wheeler P. Davey in 1926.

Senate to form study commission on position need

The University Faculty Senate approved a motion to have Senate Chairman Joseph A. Dixon form a joint

Senate/administrative commission to study evaluation of position need as outlined in PS-23.

At the March meeting, the Senate also passed the Committee on Research's suggestions for improving the climate for research for faculty and the Committee on Committees and Rules' proposal for a library academic voting unit.

The Committee on Faculty Affairs studied two areas of PS-23, University policy governing promotion and tenure, which were discussed in Recommendation 11 of the Joint Faculty/Administrative Commission's final report: limited-term, tenure-eligible probationary appointments and evaluation of position need.

Recommendation 11 proposed that probationary appointments consist of a series of limited-term, tenure-eligible appointments. It also proposed a separate, continuing evaluation of the need for positions held by tenure-eligible candidates.

C. Gregory Knight, professor and head of the Department of Geography, spoke for the committee. He noted that the University currently has the following appointments: continuous (standing), fixed-term I (six months or longer with termination date) and fixed-term II (less than six months or part time).

The committee doesn't agree with the recommendations to establish limited-term, tenure-eligible appointments, but it does urge adoption of a separate evaluation of position need by modification of PS-23, Dr. Knight said.

James B. Bartoo, dean of the graduate school, opposed the committee's legislative report on appointments. He said a clear separation is needed between evaluation of a faculty member and evaluation of the position occupied.

He suggested that the legislation on appointments be returned to the committee to be looked at from an educational policy point of view. The

Senate passed the motion.

The second part of the committee's legislation dealt with review of need for positions. Dr. Knight said the committee agreed with the commission's recommendation that there be formal provision for evaluating the need for positions, separate and independent of the tenure and promotion review process, and that there be safeguards provided to candidates when position elimination is possible.

The committee proposed four changes to PS-23 along the lines discussed above. Dean Bartoo, reading from a letter from President Oswald (who was in Harrisburg for budget hearings), said the president wanted a joint faculty/administrative commission formed to consider position evaluation.

President Oswald has serious reservations about putting legislation

about position evaluation in PS-23. Dean Bartoo, speaking for himself, said PS-23 should be a stable and enduring policy. He advised the Senate not to rush into making changes.

A substitute motion was made from the Senate floor to ask the Senate chairman to pursue the president's proposal for a commission. Action may be taken as early as May 24.

In other action:

- The Senate passed suggestions for improving the climate for research. The legislation asks that a portion of the research funds generated outside the University be returned to the departments of the faculty who brought in the funds.

- The Senate passed the proposal to give librarians a separate voting unit. University and Senate policy defines professional librarians as holding academic rank.

Value of student evaluations debated

Both guest speakers at the University Faculty Senate forensic session on teaching effectiveness agreed that student evaluations of teaching are important.

John A. Centra, senior research psychologist with the Educational Testing Service, Princeton, N.J., and Frederick Gotthille, professor of economics at the University of Illinois, spoke at the March meeting as guests of Joseph A. Dixon, Senate chairman.

Dr. Dixon organized the forensic session following President Oswald's veto of Senate legislation PS-23 Evaluation of Teaching Effectiveness last month.

Dr. Centra, who has been researching teaching evaluations for 15 years, said there are two purposes of the evaluations: summative (for tenure, salary and promotion) and formative (for instructional/course improvement).

"Student evaluations are important for formative considerations," he said. "For example, student evaluations can point out teaching problems. If students who have gone through one instructor's basic

course have trouble with advanced exams or problems with comprehensive exams, the instructor may be responsible. These are red flag areas."

Prof. Gotthille explained that Illinois uses an 18-question form with room for written evaluations. Instructors have the option of asking their students to do the evaluations or not. Further, the instructors may elect not to submit the results to their department or college.

"This is not held against a person, but it does hurt feeling either," he said.

It's difficult to compare two teachers in the same department and even more difficult to compare teachers from different colleges, he said. Illinois solves the problem by allowing colleges to add their own questions to the evaluation form.

Evaluation scores, accompanied by the department's own evaluation, are sent to the administration. There are problems, Prof. Gotthille admits, but he said student evaluations are important.

- The Senate heard informational reports from the Committee on Faculty Affairs (salary analysis, third report since 1979); the Committee on Research (grants supporting graduate students);

- The Committee on Undergraduate Instruction, Basic Skills Subcommittee (statistical summary of the basic skills deficiencies in English and mathematics).

Special notice on disability program

Option cards were sent last month to all regular faculty and staff members with less than five years of service and all members of the TIAA retirement plan regardless of length of service.

The cards provide for an election for coverage in a proposed new University long term disability program, since individuals with less than five years of regular service or in TIAA do not have such coverage.

If you received such a card and did not return it yet to your personnel representative, please do so immediately. It is important that an indication "yes" or "no" be received from each eligible individual.

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William E. Campbell, Jr., Editor
Deborah A. Benedetti, Assistant Editor
Calendar Editor — 865-2501

Nominations sought for awards

(Continued from page 1)

president for finance and treasurer of the University from 1957 to 1968. The award, which consists of a \$500 stipend and a certificate, is presented to the full-time member of the faculty or staff or the retiree who has contributed most to the "economic, physical, mental, or social welfare of the faculty" of the University. For the contribution of the nominee should be for duties or services which are above and beyond his or her regularly assigned duties. Previous recipients are William G.

Mather, Ernest B. McCoy, Samuel C. Blazer, Eugene Wetstone, Kenneth L. Holderman, Patricia Farrell, Lawrence Perez, Michael R. Lynch, Margaret B. Matson, Karl G. Stodefalko, Robert S. Friedman, Charles W. Mann, and Oscar C. Barkman.

The John E. Wilkinson Award for Administrative Excellence was established in 1970 by friends of Mr. Wilkinson, a lifelong Centre County businessman. The award, which carries a stipend of \$500, is

made annually to a member of the staff of the University whose performance methods and achievements exemplify administrative excellence.

Previous recipients are Paul M. Althouse, John B. Pezzoni, Kenneth L. Holderman, Eleanor Ferguson, Harry D. Zook, Russell E. Larson, Wayne D. Lammie, David E. Storer, Billy R. Baumgardt, James B. Bartoo, Charles L. Hosler, and Ardeth L. Frisbie.

The Barash Award for Human Service was created in 1975 by the family of the late Sy Barash. It is an annual award to a full-time member of the faculty, staff, or

student body of the University at University Park who has contributed most, apart from regular duties, to human causes, public service activities, and organizations, or the welfare of fellow humans.

Any full-time person at the University Park Campus who meets the criteria for the award is eligible for consideration. This award carries a stipend of \$1,000. Previous recipients are Robert Welsh, Ronald F. Ross, Robert H. McCormick, Arnold Addison, Charles H. Nagney, Robert J. Flipse, H. LeRoy Marlow, and Richard E. Blund.

Budget request

(Continued from page 1)

able to recommend, it is clear that the next academic year will be a lean one in every respect.

As we have always done in the past, Penn State will provide a balanced budget for approval by its Board of Trustees for fiscal year 1983-84. We will explore every possible step to find additional economies while seeking to maintain quality programs. Funds of all types will be sought, including increased private support.

With insufficient funds, the University will have fewer faculty members to deal with increasing numbers of students. Section sizes, already the highest of all state-related and state-owned institutions, will increase even further. No improvements will be possible in the

acquisition of critically needed library books, journals, and subscriptions. Acquisition of modern research and instructional equipment will be more difficult. Certain critical maintenance projects will be delayed further. To the best of our abilities, we will guard against any further erosion of the quality of the University's academic and support programs. This job will be all the more difficult following a decade of internal reductions and reallocations totaling 10 percent of the current operating budget. Finally, if additional resources do not materialize, the level of tuition rates beyond the 5 percent increase already included on the income side of our budget plan will have to be reviewed once again. Tuition rates have escalated 147 percent since 1972-73 (from \$855 per three-term academic year to \$2,118 for 1982-83). During this same period, State

appropriations have increased only 70 percent. The University continues to be concerned that each year a larger share of the increased costs of education falls upon the students and their families.

University's past

(Continued from page 1)

the board of trustees and treasurer of the college for almost 20 years.

For some 100 years, Centre Furnace was a thriving community and its mansion was the social center of the region. With the passage of time, many of the furnace buildings disappeared, nearly Lemont and State College replaced the community of Centre Furnace, and highways took their toll.

Restoration plans call for development of a historical interpretative walk around

the grounds showing the location of the former furnace buildings.

In 1978, the mansion was given by bequest from David B. Garver, to the Centre County Historical Society. Both the mansion and its furnace stack, located on University property, are listed on the National Register of Historic Places.

Plans call for the Founders' Room to be revived in the decor of 1855. Personal mementoes of the founders and records of the Farmers' High School and the Agricultural School will be placed in appropriate areas of the room.

In light of the Historical Society's restoration efforts, an exhibit on the Centre Furnace and the origin of Penn State has been prepared by Lee Stout, head of the Penn State Room in Pattee Library. It will be on display in the Penn State Room throughout the Spring Term.

Nine University graduates named 1983 Alumni Fellows

Nine prominent graduates of the University have been designated 1983 Alumni Fellows, one of the highest honors the University can bestow.

Eight of them will visit the University this spring; the ninth will visit next fall. As guests of the Alumni Association, they will return to share their skills and experiences with University students, faculty and staff members.

The 1983 Alumni Fellows will visit the following academic colleges at the University Park Campus during the dates specified:

— College of Human Development:

Richard A. Benefield (class of 1948), general manager, Hotel Magee, March 27, 28, 29 and 30;

— College of Engineering: Robert V. Waltemeyer (class of 1956), senior vice president, Manager Corporate Technical Division, Coca Cola, April 4, 5, and 6;

— College of Health, Physical Education and Recreation: Charles Dillman, (class of 1966 — graduate degree), director Biomechanics Lab, United States Olympic Committee, Denver, April 17, 18, 19 and 20;

— College of Education: Emmett L. Wright, (class of 1974 — graduate degree),

director of the Science Teaching Center and associate professor at the University of Maryland, April 20, 21 and 22;

— College of Arts and Architecture: Donald Hilderbrandt, (class of 1961), senior principal and founder, Land Design/Research Inc., April 20, 21, 22 and 23;

— College of Agriculture: Fredric W. Hill (class of 1939), professor of nutrition, University of California, May 8, 9, 10 and 11;

— College of Science: Lloyd Huck (class of 1943), president and chief operations officer, Merck and Co., May 10, 11, 12, and 13;

— College of Business: William Schreyer (class of 1948), president and chief operating officer, Merrill Lynch and Co., Inc., May 11, 12 and 13;

— College of Earth and Mineral Sciences: John Hanley (class of 1942), chairman of the board, Monsanto Company, Fall Term.

The Alumni Fellows program is now in its 11th year. Including the nine for this year, the program will have brought a total of 83 Fellows back to their alma-mater. While on campus for their three-to-five-day visits, the Fellows attend classes, offer seminars, give public lectures and hold informal discussion sessions with students.

The Fellows are each presented bronze plaques, individually designed by John Cook, professor of art. The Alumni Fellows Program is sponsored by the Penn State Alumni Association and the academic colleges of the University.

Obituaries

Dr. Frank Dachille, 65, professor of geology, died Feb. 28 en route to Rome, where he was invited by the Astro Physical Institute to discuss his research and give seminars in planetary studies.

Dr. Dachille graduated from City College of New York with a bachelor of science degree in chemical engineering in 1939. He received his doctorate in geochemistry from Penn State in 1959. From 1939 to 1955, he was employed by U.S. Industrial Chemical Inc., Pensacola, Fla., advancing from a chemist to assistant plant manager. He joined Penn State in July 1958 as a research assistant.

Dr. Dachille was a member of Tau Beta Pi, an engineering honor fraternity. He also was a member of Corning Glass Fellowship, Phi Kappa Phi and Sigma Xi. He was a fellow of the following national societies: AAAS, Mineralogical Society, Meteorological Society, a member of Geochemical Society, Carbon Society and American Chemical Society. He was the author of more than 80 articles and papers, most of them published in journals, and co-author of the book, *Target Earth: The Role of Large Meteors in Earth Science*.

Dr. Dachille also participated in establishing a high pressure research laboratory in Pretoria, South Africa. He was listed in Who's Who under the American Men of Science category, and

was a member of Experimental Aircraft Association, Chapter 518 of Lewisston, for which he served as secretary-treasurer. He also was a member of the University Faculty Senate.

Esther A. Atkinson, 79, professor emerita and former head of the department of hotel and institution administration, died Feb. 24.

Miss Atkinson was a graduate of the University of Nebraska and earned her master's degree from Kansas State University. She joined the University faculty Oct. 1, 1944, as associate professor and was promoted to professor and department head July 1, 1950. She retired July 1, 1963.

She taught at Central and McPherson Colleges, both located in McPherson, Kan.; Kansas State University, and University of Idaho. She was a member and former national secretary of the American Dietetic Association and served for three years in that association's House of Delegates.

She was a member and past president of the Pennsylvania Dietetic Association, a member of Omicron Nu Home Economics Society and State College Presbyterian Church.

Philip D. Jones, former manager of the University Dairy Barns, died Feb. 25 at the age of 91.

He was a 1915 graduate in the agricultural course at Penn State and from

1916 until his retirement April 1, 1956, he managed the Dairy Barns.

Samuel D. Jones, group leader, janitor, assistant building superintendent and assistant to the manager of the HUB, in Student Affairs, from Dec. 15, 1954, until his retirement Jan. 1, 1976, died Feb. 22. He was 71.

Samuel P. Ammerman, dishroom man, relief man and dishroom worker in Housing and Food Services from Sept. 8, 1957, until his retirement Feb. 15, 1968, died Feb. 22 at the age of 77.

Seminars

Thursday, March 10
Computational Fluid Dynamics, 10:45 a.m., 315 Hammond. Peter Sockol, NASA Lewis Research Center, on "Computational Methods of Internal Flows With Emphasis on Turbomachinery."
Chemistry, 12:45 p.m., 55 Osmond. E.T. Kaiser, Rockefeller Univ., on "Model Peptides: Synthesis and Biochemistry."
Ecology, 4 p.m., 8 Mueller Lab. Sievert Rohwer, Univ. of Washington, on "Delayed Maturation in Male Passerines: Studies of Evolutionary Problems of Communication."

Friday, March 11

Analytical Chemistry, 10 a.m., 55 Osmond. Anthony Lasaga, geochemistry, on "Sulfide-Sulfate Equilibrium by Isotope Kinetics."

Tuesday, March 15

Organic/Inorganic, 12:45 p.m., 55 Osmond. B.

Alex O. Zazur, instructor in the College of Earth and Mineral Sciences from March 1, 1965, until his retirement Aug. 1, 1975, died Feb. 18. He was 69.

Christina M. Shultz, counter attendant in Housing and Food Service and janitorial worker in Physical Plant from May 4, 1974, until her retirement March 1, 1981, died Feb. 17 at the age of 58.

Clifford H. Ives, janitorial worker at Behrend College from May 22, 1962, until his retirement Aug. 1, 1973, died Feb. 14. He was 82.

Cader.

Thursday, March 17

Chemistry, 12:45 p.m., 55 Osmond. Amos B. Smith III, Univ. of PA, on "Advances in Organic Synthesis."
Aesthetics, Criticism and Interpretation Theory, 3:45 p.m., 221 Chambers. Robert Lima, Spanish and comparative literature, on "The Development of the Concept of Saian."
Computational Fluid Dynamics, 4 p.m., 315 Hammond. David A. Caughey, Cornell Univ., on "Three Dimensional Transonic Flow Calculations."

Friday, March 18

Analytical Chemistry, 10 a.m., 55 Osmond. Dean Shaffer on "High Performance Thin Layer Chromatography (HPTLC)."

Tuesday, March 22

Organic/Inorganic Chemistry, 12:45 p.m., 55 Osmond. M. Sulewski

University Park Calendar

Spring Term 1983

Special Events

Thursday, Mar. 10

HUB Eateries, Founder's Room, Special Dinner, 5-7 p.m.
HUB Craft Center Open House, 7:30-9:30 p.m., 312 Old Main.
Kern Classics, *A Day at the Races*, 7 and 9 p.m., 112 Kern.

Friday, Mar. 11

Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. William B. White, geochemistry, on "The Disposal of Nuclear Waste: an Assessment of the State of the Art."
Craft Centre Slide Show, 7-9 p.m., Browning Gallery, HUB.

Saturday, Mar. 12

France-Cinema, Szabo, *Mephiste*, 7 and 9 p.m., 112 Kern. Also Mar. 14.
Sports: men's gymnastics vs. Southern Illinois and Pittsburgh, 8 p.m.

Sunday, Mar. 13

HUB Craft Centre classes begin.
HUB Eateries, Founder's Room, Brunch, 10:30 a.m.-1:30 p.m.

Week of March 14

Monday, Mar. 14

Comp. Lit. Luncheon, 12:15 p.m., 101 Kern.
Terence Cave, St. John's College, on "Maurice Scève's *Delir*: Correcting Petrarch's Errors."
Marylene Dosse, French concert pianist, and Suzanne Roy, soprano, recital, 8 p.m., Music Bldg. recital hall.

Tuesday, Mar. 15

Bach's Lunch, noon, Eisenhower Chapel. Mike Wustrow, organ recital.
Marylene Dosse, French concert pianist, masterclass, 1 p.m., Music Bldg. recital hall.
Sports: men's tennis vs. Pennsylvania, 3 p.m.
CSA Assembly meeting, 7:15 p.m., 101 Kern.
Faculty Women's Club Brown Bag Lunch, 11:45 a.m., 301 Agriculture Administration Bldg.
Joshua M. Figlin, Osteopathic Physician, on "Stress and Health."
English/French/Classics/IAHS Colloquium, 8 p.m., 305 HUB. Terence Cave, St. John's College, Univ. of Oxford, on "Anagnorisis: Recognition Themes in Narrative Fiction."

Wednesday, Mar. 16

HUB Craft Centre slide show, 11 a.m.-3 p.m., HUB Browning Gallery. Also April 8, 11.
Graduate Council meeting, 3 p.m., 101 Kern.
Kern Classic, *Where's Poppa*, 7 and 9 p.m., 101 Kern. Also Mar. 17.
The Golden Age of Greece Lecture Series, 8 p.m., 5209 Human Development Bldg.
Homer Thompson, Princeton Univ., on "Socrates in the Marketplace."

Thursday, Mar. 17

HUB Eateries, Founder's Room, Special Dinner, 5-7 p.m.
Sports: women's fencing, NCAA Championships. Also Mar. 18, 19.

Friday, Mar. 18

Board of Trustees meeting, Hershey. Also Mar. 19.
Add deadline.
Late registration deadline.
Sports: men's tennis vs. Pittsburgh, 3 p.m.; men's volleyball vs. George Mason, 7 p.m.
Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. Charles Friesch, religious studies, on "Sports: the New American Religion?"
Theatre and Film, *Fahrenheit 451*, 7 and 9 p.m., HUB Assembly Room. Also March 19.

Saturday, Mar. 19

Sports: men's lacrosse vs. Lehigh, 2 p.m.; men's volleyball vs. Rutgers-Newark, 2 p.m.; men's gymnastics vs. Temple, 8 p.m.
France-Cinema, Fassbinder, *Lola*, 7 and 9 p.m., 112 Kern. Also Mar. 21.

Sunday, Mar. 20

HUB Eateries, Founder's Room, Brunch, 10:30 a.m.-1:30 p.m.

Week of March 21

Monday, Mar. 21

Comp. Lit. Luncheon, 12:15 p.m., 101 Kern.
William T.H. Jackson, Columbia Univ., on "Medieval Theatre."
Senate - Faculty Council meeting, 1:30 p.m., 101 Kern.
Sports: women's tennis vs. Bloomsburg, 4:30 p.m.

Tuesday, Mar. 22

Bach's Lunch, noon, Eisenhower Chapel. Jim Unger, organ recital.
CSA Assembly meeting, 7:15 p.m., 101 Kern.
Sports: men's volleyball vs. Pittsburgh, 7 p.m.

Wednesday, Mar. 23

The Golden Age of Greece Lecture Series, 8 p.m., 101 Kern. Reynold Higgins, authority on ancient jewelry, on "Greek and Roman Jewelry."
Kern Classics, *Muse on the Moon*, 7 and 9 p.m., 112 Kern.

Thursday, Mar. 24

Museum of Art Informal Talk and Brown Bag Lunch, 12:10-12:50 p.m., Museum of Art.
Phi Alpha Theta History Colloquium, "Politics in the Age of the Moral Majority," 1:30 p.m., Eisenhower Chapel Lounge.
HUB Eateries, Founder's Room, Special Dinner, 5-7 p.m.
Schilling seminar meeting, 6 p.m., Nittany Lion Inn. John Frantz, history, on "Religion in Colonial America: Model for the Nation."
Sports: women's basketball, Eastern Regional, 7 p.m.
English Colloquium, 8 p.m., 101 Kern. J. Hillis Miller, Yale Univ., on "Parable and Apocalypse in Conrad's *Heart of Darkness*."

Friday, Mar. 25

Pass - Fail.
Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. F. Willard Miller, geography, on "The Road to Number Two: Reflections on Geography at Penn State."
Theatre and Film, *A Funny Thing Happened on the Way to the Forum*, 7 and 9 p.m., HUB Assembly Room. Also March 26.

Saturday, Mar. 26

Sports: men's track and field, Spiked Shoe Club 15K Race, 10:30 a.m.; baseball vs. Navy (DH), 1 p.m.; women's lacrosse vs. James Madison, 1 p.m.; men's lacrosse vs. Syracuse, 1:30 p.m.; women's basketball, Eastern Regional, 7:30 p.m.
France-Cinema, Tacchella, *Cousin Cousine*, 7 and 9 p.m., 112 Kern. Also Mar. 28.
1983 History of Photography Program, featuring two musical presentations, *The Tsar Has His Photograph Taken*, and *Lens and Ear*, 8:30 p.m., Music Bldg. recital hall. Also Mar. 27.

Sunday, Mar. 27

HUB Eateries, Founder's Room, Brunch, 10:30 a.m.-1:30 p.m.
Sports: baseball vs. Lafayette, 1 p.m.

Week of March 28

Monday, Mar. 28

Pass - Fail.
Comp. Lit. Luncheon, 12:15 p.m., 101 Kern.
Colin Williams, visiting Fulbright Scholar, on "Wisdom, Survival, and The Turning Screw: Welsh Culture in '80's."
Public Lecture, 8 p.m., Schwab Auditorium.
Senator Mark O. Hatfield, on "Social Responsibility for Persons of Faith."
Dreyfus Lecture, 8 p.m., 55 Osmond. George M. Whitesides, Harvard Univ., on "Organometallic: Chemistry of Soluble and Surface Platinum Alkyls."

Tuesday, Mar. 29

Pass - Fail.
Drop deadline.
Pregistration deadline Summer 1983.
Bach's Lunch, noon, Eisenhower Chapel.
Hyun-Kyung Chae, organ recital.
Public Lecture, 3:45 p.m., 305 HUB. Asuncion Lavin, Howard Univ., on "Feminists and Feminism in 19th"
Dreyfus Lecture, 8 p.m., 55 Osmond. George M. Whitesides, Harvard Univ., on "Organic Synthesis Using Enzymatic Catalysis."

Wednesday, Mar. 30

Dreyfus Lecture, 8 p.m., 55 Osmond. George M. Whitesides, Harvard Univ., on "Organic Polymer Surface Chemistry."
The Golden Age of Greece Lecture Series, 8 p.m., 101 Chambers. Evelyn B. Harrison, New York Univ., on "The Images of Athena in the Sculpture of the Parthenon."

Thursday, Mar. 31

Medieval Studies Colloquium, 1:30 p.m., 124 Sparks. Armin Wolf, Max Planck Institut für europäische Rechtsgeschichte, on "The Historic Role of the Prince - Electors of the Holy Roman Empire" (with slides).
HUB Eateries, Founder's Room, Special Dinner, 5-7 p.m.
Kern Classics, *Adam's Rib*, 7 and 9 p.m., 112 Kern.
Dreyfus Lecture, 8 p.m., 55 Osmond. George M. Whitesides, Harvard Univ., on "Corrosion and Catalysis: Grignard reagent: Poisoning of Heterogeneous Catalysts; Application of Electrochemistry to Heterogeneous Catalytic Mechanisms."

Friday, Apr. 1

Sports: softball, Lady Lion Invitational, 9 a.m.; men's tennis, Penn State Triangular.
Good Friday Worship Service, noon-3 p.m., Eisenhower Chapel.
Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. Thomas Larson, PENNDOT, on "The State's Role in Transportation."
Theatre and Film, *Far From the Madding Crowd*, 7 and 9:30 p.m., HUB Assembly Room. Also April 2.
Dreyfus Lecture, 8 p.m., 55 Osmond. George M. Whitesides, Harvard Univ., on "Opportunities for Research in Organic Chemistry."

Saturday, Apr. 2

Sports: softball, Lady Lion Invitational, 9 a.m.; men's track and field, Memorial Open, 12:10 p.m.; baseball vs. West Chester (DH), 1 p.m.; men's lacrosse vs. Drexel, 2 p.m.; men's tennis, Penn State Triangular.
France-Cinema, Truffaut, *The Woman Next Door*, 7 and 9 p.m., 112 Kern. Also April 4.

Sunday, Apr. 3

HUB Eateries, Founder's Room, Brunch, 10:30 a.m.-1:30 p.m.



Week of April 4

Monday, April 4
NAIWW Annual Book Sale, 9 a.m.-9 p.m., HUB Ballroom. **Also April 5, 6 and 7.**
 Comp. Lit. Luncheon, 12:15 p.m., 101 Kern.
 David Ray, Univ. of Missouri, on "Prakt Love and Poetry."
English/AHS Poetry Reading, 3:45 p.m., Rare book Room. Patter, David Ray, Kansas poet. Sports: men's volleyball vs. Japanese All-Stars, 5 p.m.

Tuesday, April 5
 University Senate meeting, 1:10 p.m., 112 Kern.
 Classical Studies Colloquium, 3 p.m., 124 Sparks.
 Armin Wolf, Max Planck Institut für europäische Rechtsgeschichte (Frankfurt), on "Did Homer Have a Map? New Observations on the Geography of the *Odyssey*" (with slides).

Thursday, April 7
 Sports: baseball vs. Lock Haven (DH), 1 p.m.; men's gymnastics, NCAA Championships, 7 p.m.
History Colloquium, 1:30 p.m., 124 Sparks.
 Armin Wolf, Max Planck Institut für europäische Rechtsgeschichte (Frankfurt), on "The Origin of the German Prince — Electors."
 HUB Eateries, Founder's Room, Special Dinner, 5:17 p.m.
 Kern Classics, Grove Table, 7 and 9 p.m., 112 Kern.

Friday, April 8
 Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. James Darrington, Brandon Univ., Manitoba, on "A Room with a View: The Evolution of the Catskills as a Resort Region."
 Sports: men's gymnastics, NCAA Championships, 7 p.m.
 Theatre and Film, *Petulia*, 7 and 9 p.m., HUB Assembly Room. **Also April 9.**

Saturday, April 9
 Sports: women's golf, Lady Lion Invitational; baseball vs. George Washington (DH), 1 p.m.; softball vs. Ithaca (DH), 1 p.m.; men's lacrosse vs. Hofstra, 2 p.m.; men's gymnastics, NCAA Championships, 2 and 7 p.m.

Sunday, April 10
 HUB Eateries, Founder's Room, Brunch, 10:30 a.m.-1:30 p.m.
 Sports: women's golf, Lady Lion Invitational; baseball vs. Howard (DH), 1 p.m.; women's lacrosse vs. William & Mary, 1 p.m.; softball vs. LaSalle (DH), 2 p.m.

Week of April 11

Monday, April 11
 Comp. Lit. Luncheon, 12:15 p.m., 101 Kern.
 Jorge Luis Borges, informal talk on writers and writing.
 Jorge Luis Borges, 7:30 p.m., 101 Kern. Jorge Luis Borges, visiting fellow, on writers and writing.

Tuesday, April 12
 Sports: baseball vs. Duquesne (DH), 1 p.m.; women's lacrosse vs. Delaware, 3 p.m.
 School of Visual Arts Public Lecture, 7:30 p.m., 102 Chambers. Jerry N. Uelsmann, printmaker.
 Craft Centre Open House, 7:30-9:30 p.m., 102 HUB.
 Assembly meeting, 7:15 p.m., 101 Kern.

Wednesday, April 14
 Sports: softball vs. Temple (DH), 1 p.m.; women's lacrosse vs. Temple, 3 p.m.
 HUB Eateries, Founder's Room, Special Dinner, 5:17 p.m.
 History of Photography Slide Lecture, 8 p.m., 101 Kern. William C. Darrish, Gettyburg College, "Carre-de-Visite Photographs, a Mirror of the Social Scene."

Thursday, April 15
 Sports: men and women's track and field, Nittany Lion Relays, 3 p.m.
 Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. Deryck Holdsworth, Univ. of Toronto, on "The Historical Atlas of Canada Project: from the Ice Age to the 20th Century in Three Volumes."
 Theatre and Film, *Performance*, 7 and 9 p.m., HUB Assembly Room. **Also April 16.**

Friday, April 16
 Sports: men and women's track and field, Nittany Lion Relays, 12 p.m.; softball vs. Princeton (DH), 2 p.m.

Saturday, April 17
 Craft Centre second session classes begin.
 HUB Eateries, Founder's Room, Brunch, 10:30 a.m.-1:30 p.m.

Week of April 18

Monday, April 18
 Comp. Lit. Luncheon, 12:15 p.m., 101 Kern.
 Joseph Cotter, classics, on "The Vatican Mourners: Art, Poetry, and Political Propaganda."
 France-Cinema, Costa-Gavras, Z, 7 and 9 p.m., 112 Kern.

Tuesday, April 19
 Museum of Art Gallery Talk, 10:30 a.m., Museum of Art. Wilma Stern, art history, on "Current Directions in the Visual Arts."
 Sports: women's lacrosse vs. Lock Haven, 3 p.m.
 School of Visual Arts Public Lecture, 7:30 p.m., 101 Chambers. Curtis Rhodes, sculptor.
 The Golden Age of Greek Lecture Series, 8 p.m., 101 Kern. Michael Eisman, Univ. of PA, on "There's a Gorgoneion in My Wine Cup."

Wednesday, April 20
 Graduate Council meeting, 3 p.m., 101 Kern.
 Alfred Quastel with Sylvia Glickman, pianist, commemorative concert of Brahms' work, 8:30 p.m., 101 Kern.

Thursday, April 21
 Sports: women's lacrosse vs. Maryland, 3 p.m.
 HUB Eateries, Founder's Room, Special Dinner, 5:17 p.m.
 Kern Classics, *Redazzled*, 7 and 9 p.m., 112 Kern.
 English/AHS Colloquium, 8 p.m., 101 Kern. Seamus Heaney, poetry reading.

Friday, April 22
 Fifth Annual Penn State Slavic Folk Festival, 9 a.m.-10 p.m., HUB Ballroom. **Also April 23, 9 a.m.-10 p.m.; April 24, 1-6 p.m.**
 Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. Wilbur Zelensky, geography, on "The Roving Palatine: Ethnic Cuisines in North American Restaurants."
 Sports: men's volleyball, ECVL Championships, 5 p.m. **Also April 23.**
 Theatre and Film, *Walkabout*, 7 and 9 p.m., HUB Assembly Room.

Saturday, April 23
 Sports: women's tennis vs. James Madison, 8:30 a.m.-10 p.m.; softball vs. Rutgers, 11 a.m.; women's tennis vs. William & Mary, 2:30 p.m.; softball vs. Ohio State, 5 p.m.; men's volleyball, ECVL Championships, 5 p.m.; men's golf, Nittany Lion Invitational.
 France-Cinema, Fassbinder, *Veronica Voss*, 7 and 9 p.m., 112 Kern. **Also April 25.**

Sunday, April 24
 Sports: softball vs. Virginia, 10 a.m.; softball vs. Ohio State, 2 p.m.; women's tennis vs. West Virginia, 2:30 p.m.; men's golf, Nittany Lion Invitational.
 HUB Eateries, Founder's Room, Brunch, 10:30 a.m.-1:30 p.m.

Week of April 25

Monday, April 25
 Comp. Lit. Luncheon, 12:15 p.m., 101 Kern.
 Jeremy Griffiths, St. John's College, on "Chaucer Manuscripts."

Tuesday, April 26
 Faculty Women's Club Spring Luncheon, 11:45 a.m., Nittany Lion Inn.
 Sports: baseball vs. Maryland (DH), 1 p.m.
 School of Visual Arts Public Lecture, 7:30 p.m., Music Bldg. recital hall. Elgar Howarth, composer and conductor, on his experiences as a conductor of opera. **Also April 28, 8:30 p.m.**

Wednesday, April 27
 Sports: men's lacrosse vs. Loyola (Md.), 3:30 p.m.

Thursday, April 28
 Museum of Art Informal Talk and Brown Bag Lunch, 12:10-12:50 p.m., Museum of Art.
 Sports: baseball vs. Bucknell (DH), 1 p.m.; women's lacrosse, Pennsylvania, 3:30 p.m.
 Metallurgy Laboratories, Open House, 2:5 p.m., Steidle Bldg.
 HUB Eateries, Founder's Room, Special Dinner, 5:17 p.m.

Friday, April 29
 Metallurgy Laboratories, Open House, 9-11 a.m., Steidle Bldg.; Address by Hal Hartman, Interlake, Inc., 2 p.m., 112 Walker Bldg., Panel discussion on Solving Problems of the Metals Industries, featuring outstanding metallurgy alumni, 3 p.m., 112 Walker Bldg.
 Sports: softball, Atlantic 10 Championships; women's tennis, Atlantic 10 Championships.
 Theatre and Film, *Don't Look Now*, 7 and 9 p.m., HUB Assembly Room. **Also April 30.**

Saturday, April 30
 France-Cinema, 15th Tournee of Animation, 7 and 9 p.m., 112 Kern. **Also May 2.**
 Sports: softball, Atlantic 10 Championships; women's tennis, Atlantic 10 Championships; baseball vs. West Virginia (DH), 1 p.m.; men's volleyball, Keystone Regional Championships.

Sunday, May 1
 HUB Eateries, Founder's Room, Brunch, 10:30 a.m.-1:30 p.m.
 Sports: baseball vs. Robert Morris (DH), 1 p.m.; men's volleyball, Keystone Regional Championships.

Week of May 2

Monday, May 2
 Comp. Lit. Luncheon, 12:15 p.m., 101 Kern.
 Mireca Boalici, visiting Fulbright lecturer, on "The Poetics of Culture vs. The Semiotics of Culture."
 The Golden Age of Greece Lecture Series, 8 p.m., 112 Chambers. Ben-Bar-Shazar, authority on northern Greek art, on "The Derveni Krater: a Masterpiece of Macedonian Art."

Tuesday, May 3
 Late drop deadline.
 University Senate meeting, 1:10 p.m., 112 Kern.

Wednesday, May 4
 Sports: men's lacrosse vs. Bucknell, 8 p.m.
 English Colloquium, 8 p.m., 101 Kern. Lady Mander, who writes under the name Rosalie Grylls, on "Pre-Raphaelites."

Thursday, May 5
 Sports: men's tennis vs. East Stroudsburg, 1 p.m.
 HUB Eateries, Founder's Room, Special Dinner, 5:17 p.m.
 Kern Classics, *Music Lovers*, 7 and 9 p.m., 112 Kern.
 School of Visual Arts Public Lecture, 7:30 p.m., 102 Chambers. Roland Reis, photographer.

Friday, May 6
 Last day for signing Spring Term NDSP and University Long Term Loans, 108 Shields.
 Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. Simon Brooner, folklore and American studies, Capitol Campus, on "The Ambiguous House in Suburbia."
 Theatre and Film, *The Man Who Fell To Earth*, 7 and 9 p.m., HUB Assembly Room. **Also May 7.**

Saturday, May 7
 Sports: Blue-White football game, 2 p.m.
 France-Cinema, *Wentworth*, *Love and Anarchy*, 7 and 9 p.m., 112 Kern. **Also May 9.**

Sunday, May 8
 HUB Eateries, Founder's Room, Brunch, 10:30 a.m.-1:30 p.m.
 Honors Convocation, 2 p.m., Eisenhower Auditorium.

Week of May 9

Monday, May 9
 First day for signing Summer Term NDSP and University Long Term Loans, 108 Shields.
 Comp. Lit. Luncheon, 12:15 p.m., 101 Kern.
 Konrad Schoell, Univ. of Kassel.
 English Colloquium, 8 p.m., 101 Kern. Francine du Plessix Gray on "A Writer and Her Crafts: Reading in Fiction, Nonfiction and Literary Criticism."

Tuesday, May 10
 GSA Assembly meeting, 7:15 p.m., 101 Kern.
 Third Brazilian Film Fest, *XICA*, 8 p.m., Eisenhower Auditorium. **Also May 11.**

Wednesday, May 11
 Sports: baseball vs. Pittsburgh (DH), 1 p.m.
 Nittany Lion Band Concert, 5:30 p.m., Fisher Plaza.

Thursday, May 12
 HUB Eateries, Founder's Room, Special Dinner, 5:17 p.m.
 Kern Classics, *A Fairwell to Arms*, 7 and 9 p.m., 112 Kern.

Friday, May 13
 Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. Paul Simkins, geography, on "What the Last Census Told Us: Population Shifts in the Boroughs and Townships of Pennsylvania."
 Sports: men's track and field, Penn State Open, 3 p.m.

Saturday, May 14
 Sports: baseball vs. Cornell, 2:30 p.m.; men and women's golf, Joe Boyle Retirement Tournament.
 France-Cinema, Molinaro, *La Cage aux folles*, 7 and 9 p.m., 112 Kern. **Also May 16.**
Sunday, May 15
 HUB Eateries, Founder's Room, Special Dinner, 10:30 a.m.-1:30 p.m.
 Sports: baseball vs. Cornell (DH), 12:30 p.m.

Week of May 16

Monday, May 16
 White Band Concert, 5:30 p.m., Fisher Plaza

Tuesday, May 17
 Spring term classes end.

Wednesday, May 18
 Last day for signing Spring Term Short-Term Loans, 108 Shields.
 Graduate Council meeting, 3 p.m., 101 Kern.

Thursday, May 22
 Sports: women's track and field, Lady Lion Open, 12 p.m.

Week of May 23

Tuesday, May 24
 University Senate meeting, 1:10 p.m., 112 Kern.

Thursday, May 26
 Board of Trustees meeting, Faculty Bldg.

Friday, May 27
 Board of Trustees meeting, Faculty Bldg.

Saturday, May 28
 Spring Commencement, 10:30 a.m., Beaver Stadium.

Exhibits

Kern Gallery
 Helen Neuhard, metal art, through March 28.
 Chris evans, poet and rang chatters, through March 29.
 Less Rishel, wood sculpture, through March 29.
 Jeff Marfison, prints and drawings, through March 30.
 Art from Australia, April 1-17.
 PSU Ukrainian Club, April 18-May 6.
 Scott Smith, prints, April 19-May 20.
 Carolyn Metcalf, drawings, April 20-May 20.
 Rosanne Dobash and Yvonne Gentzier, stichery, May 9-May 27.

Museum of Art
 Museum Hours: 11 a.m.-4:30 p.m. Closed Mondays, Tours, Sundays, 1:30 p.m.
 Chinese Jade Carvings from the Collection of Dr. and Mrs. Harold L. Tonkin, through March 13.
 Jerome Witkin — Paintings and Drawings: A Decade of Work, through March 27.
 Selections from the Museum's Collection, March 27-May 1.
 Indian Art from the Collections of the Herbert F. Johnson Museum of Art, Cornell University, and the Museum of Art, The Pennsylvania State University, April 10-June 19.
 Richard Mayhew: Recent Paintings, April 17-June 19.
Pattee Library
 West Pattee Gallery: Anne Mercini, photos, March 14-April 14.
 Lending Services: Andrea Benson, prints, through March 31.
 East Corridor Gallery: Rosemary Lane, prints, through March 24.
 Prints by the Students of the Philadelphia College of Art and Design, March 24-April 22; Francesco Santinelli, paintings, April 24-May 24.
 Rare Books Room: Black Composers, Black Performers, through March 21.

Visual Arts Bldg., Zoller Gallery
 Arts Hours: Monday through Friday, 9 a.m.-5 p.m. Saturday and Sunday, 1-5 p.m.
 New Faculty Show, through March 27.

Focus on the arts

Mexican folk ballet

The Artists Series will present the Ballet Folclórico Nacional de Mexico (National Folk Ballet of Mexico) at 8:30 p.m. Saturday, March 12, in Eisenhower Auditorium as part of the Theatre Dance Series.

The National Folk Ballet of Mexico was founded in 1960 by Silvia Lozano who is still its director and choreographer. The Folk Ballet is considered to be the most authentic exponent of Mexico's folk dance and musical heritage. The ballet troupe officially represents the Mexican government.

At Penn State, the Folk Ballet will present dances from diverse provinces of Mexico. The program will include the lyrical Wending Dance of Michoacan and the ancient Yaqui Deer Dance. The troupe also will perform the Jarabe Tapatio or Hat Dance, the National Folk Dance of Mexico known for its intricate footwork.

Other dances will include the Zapateado, a foot-stomping dance with many variations, one of which has the dancers tie a long ribbon into a bow using only their feet. Another dance featured

acclaimed by Clive Barnes of the *New York Post* as "one of the few great art works created in this century."

The Ballet, which completed a successful engagement at the Schubert Theatre in New York in February, is under the new leadership of Robert Weiss, artistic director, and Peter Martins, artistic adviser.

Mr. Martins, a ballet master and principal dancer of the New York City Ballet, choreographed *Calcium Light Night* for the Pennsylvania Ballet. Artist Director Robert Weiss choreographed *The Birds* for the ballet. His credits include choreography of two works for American Ballet Theatre — *Awakening* for Gelsey Kirkland and Mikhail Baryshnikov and *A Promise* for Ivan Nagy and Miss Kirkland.

The 32-member ballet company includes seven newcomers this year. Featured in performances will be veterans Melissa Podcasy, Tamara Hadley, Dana Avey, Jeffrey Gribler and William DeGregory and newcomers Debra Austin and Marin Boiero.

Tickets for both the March 25 and 26 performances will be on sale at Eisenhower Auditorium from 9 a.m. to 4

p.m., Robert Schumann, *Liederkreis*, op. 39, and Alban Berg (*Sieben fruher Lieder*). WPSX-TV will tape the recital for broadcast at a future date.

Dr. Roy received her bachelor and master of music degree from the University of Michigan, and her doctor of musical arts from the University of Wisconsin-Madison in 1979. She has been on the School of Music faculty since 1978 and teaches vocal literature and pedagogy.

Miss Dosse won the first prize in the Vilas Piano Competition, Madison, Wis., in 1968 enabling her to become Artist-in-Residence at the University of Wisconsin-Whitewater and for the seven two-year campuses. She has performed throughout Europe, Africa, Latin America and the United States. Her New York debut at Lincoln Center in 1975 led to her concert series *Nocturnes* in 1979.

Miss Dosse will present a masterclass at 1 p.m. Tuesday, March 15, during the School of Music's Common Hour Series. The masterclass is open to the public and will last one hour. Miss Dosse's masterclass and participation in Dr. Roy's recital are funded by the Institute for the Arts and Humanistic Studies, the College of Arts and Architecture, the School of Music and the French Department.

Bach's lunch recital

The Bach's Lunch Recital program, which offers free concerts at noon Tuesdays in Eisenhower Chapel on the University Park Campus, will resume March 15. The programs for March will be three organ recitals: March 15 by Mike Wustrow, March 22 by Jim Unger, and March 29 by Hyun-Kyung Chae.

The half-hour recitals are followed by a bag lunch in the informal lounge of the Chapel with beverage provided. The series is sponsored by the School of Music and the Lutheran Student Parish.

Clarinet recital

The School of Music will present clarinetist Smith C. Toulson in recital at 8:30 p.m. Wednesday, March 16, in the Music Bldg. recital hall.

Mr. Toulson has been a member of the School of Music faculty since 1966. He teaches clarinet and conducts the University Symphony and the Symphonic Wind Ensemble.

Mr. Toulson has performed and toured with the Alard Quartet, the University's quartet-in-residence, throughout Europe. He was a founding member of the Claremont Woodwind Quintet.

Greek art series

"The Golden Age of Greece" will be the theme of five lectures on Greek art to be presented during Spring Term as a joint effort of the departments of Art History, History and Classics, the Central Pennsylvania Society of the Archaeological Institute of America and the Institute for the Arts and Humanistic Studies.

At 8 p.m. Wednesday, March 16, in Room 5-209 Human Development, Homer Thompson, excavator of the marketplace of ancient Athens and member of the School of Historical Studies, Institute of Advanced Studies at Princeton, will lecture on "Socrates in the Marketplace."

At 8 p.m. Wednesday, March 23, in Room 101 Kern, Reynold Higgins, former deputy keeper of the British Museum and the outstanding authority on ancient jewelry, will speak on "Greek and Roman jewelry."

Evelyn B. Harrison of the Institute of Fine Arts, New York University, will speak on "The Image of Athens in the Sculpture of the Parthenon" at 8 p.m. Wednesday, March 30, in Room 101 Chambers.

On Tuesday, April 19, Michael Eisman of the University of Pennsylvania, will present "There's a Gorgoneion in My Wine Cup," in Room 101 Kern at 8 p.m.

The concluding lecture will be given at 8 p.m. Monday, May 2, in Room 112 Chambers. Beryl Barr-Sharrar, a leading authority on northern Greek art, will

speak on "The Derveni Krater: A Masterpiece of Macedonian Art."

Young Artists Concert

The Penn State University Symphony Orchestra, under the direction of Smith C. Toulson, will perform its annual Young Artists Concert at 8:30 p.m. Saturday, March 19, in Eisenhower Auditorium.

The Young Artists Concert features the winners of the Young Artists Auditions, open to students in the School of Music. The six winners of the competition held in January are Elizabeth Steen, piano, playing Rachmaninoff *Piano Concerto no. 2*; Cindy Hendricks, flute, playing Mozart *Flute Concerto no. 2*; Kim Kronenberg, voice, singing "Dove sono" from Mozart's *Marriage of Figaro*, and "Ave Maria" from Verdi's *Otello*; Holly Chung, violoncello, playing Dvorak's *Concerto in minor*; Don Dieterich, marimba, playing Basta's *Concerto for Marimba*; and LuAnn Grimen, piano, playing Grieg's *Concerto in a minor*.

The University Symphony Orchestra is drawn from campus (both music majors and others) and from the community.

Alard to perform

The School of Music will present a concert by the Alard Quartet, assisted by flutist Diane Gold, at 8:30 p.m. Wednesday, March 23, in the Music Bldg. recital hall. The music of Joseph Haydn, Amy Cheney Beach, and Johannes Brahms will be presented in this continued observance of the Haydn-Brahms anniversary years. An All-Brahms program with pianist Sylvia Glickman will be presented in April to round out the year.

New Faculty Show

The New Faculty Show, featuring the works of five faculty members in the School of Visual Arts will continue on display at Zoller Gallery through March 27.

Those featured include Robert Neffson and Wade Saunders, assistant professors of art, and Robin Gibson, Walter Hatke, and Berry Matthews, instructors in art.

Zoller Gallery is open weekdays from 9 a.m. to 5 p.m., and weekends from 1 to 5 p.m. Admission is free.

New Friends member

C-Cor Electronics, Inc. has become the first corporate member of the Friends of the Museum of Art.

The company's \$500 gift has qualified the State College-based company for "corporate benefactor" status in the Friends, an independent group that supports the Penn State Museum.

While the Friends of the Museum have been active for nearly a decade, this is the first year that the group has pursued an active campaign to attract corporate members. Chairing the effort are George A. Downsborough and Mahlon K. Robb.

Information about corporate membership in the Friends of the Museum of Art may be obtained from Mr. Robb or Mr. Downsborough or by contacting the Office of Gifts and Endowments, 23 Willard Bldg.

Nominations sought for teaching award

Nominations for the C.I. Knoll Award for outstanding undergraduate teaching are being accepted by the College of Science Student Council.

The Council sponsors the annual award to honor a teaching professor in the College of Science. Each May, the award is presented at the Student Council banquet.

Nomination forms are available from Suzanne Sinclair in Room 211 Whitmore Lab and must be returned by March 31. Faculty members, alumni and students in the College of Science as well as outside the college are invited to make nominations.



Ballet Folclórico Nacional de Mexico

will be La Pluma, the Feather Dance celebrating an Aztec legend about the Spanish conquest of Mexico.

The music accompanying the dance will range from the percussion of the original Indian cultures to the marimbas of the southern provinces. Traditional vihuelas, guitars and walking harps also will be featured.

Pennsylvania Ballet

The Pennsylvania Ballet will present two world premieres and five company premieres during two performances Friday, March 25, and Saturday, March 26, in Eisenhower Auditorium. The performances are sponsored by the Penn State Artists Series.

The ballet company will perform at 8:30 p.m. with its own Pennsylvania Orchestra, conducted by maestro Maurice Kaplow.

The program Friday will include a world premiere work by ballet master Dame LaFontaine entitled *Underlight* and the company premieres, *Awakening* and the highly acclaimed *Rubies from Jewels* by Balanchine.

On Saturday, the Ballet will dance the world premiere of *XVIII Symphonic Etudes*, a suite of 18 dancers choreographed by Richard Tanner, a former member of the New York City Ballet. The Saturday program also will feature company premieres of *Arden Court*, *Calcium Light Night* and *Gli Uccelli* (*The Birds*). *Arden Court* is a new dance by Paul Taylor

p.m. weekdays starting Tuesday, March 22. The Artists Series HUB booth will be open only Tuesday, March 22.

Scholar to visit

Dr. Terence Cave, fellow and tutor in French literature at St. John's College, University of Oxford, will be a guest of the Institute for the Arts and Humanistic Studies on March 14 and 15.

He will give two public lectures: at the Comparative Literature Luncheon, 1 p.m. March 14 in Room 101 Kern, on "Severe's Delic: Correcting Petrarch's Errors," and at a special colloquium sponsored by the Departments of Classics, English and French and the Institute, 8 p.m. March 15 in Room 305 HUB, on "Anagnorisis: Recognition Themes in Narrative Fiction."

Dr. Cave, an authority on French Renaissance literature and culture, is author of many books and articles including *The Cornucopian Text*. He was recipient of the Schuldhalm Plate for outstanding graduate at Gonville and Caius College, Cambridge, and has taught at Oxford since 1972.

Artists in concert

The School of Music will present faculty artist Suzanne Roy, soprano, in recital at 8:30 p.m. Monday, March 14, in the Music Bldg. recital hall. Concert pianist Marylene Dosse will accompany Dr. Roy.

The recital will include works by Claude Debussy ("Air de Lis" from *L'enfant prodigue*), Francis Poulenc (*Tel jour, telle*

Partings

Robert E. McCord, assistant dean in the College of Engineering for continuing education and associate professor, has retired with emeritus rank after some 34 years of service.

A native of State College, Prof. McCord received his B.S. degree in industrial engineering from Penn State in 1942. He joined the faculty in 1948 and earned his M.S. degree from the Massachusetts Institute of Technology.

Prior to joining the Penn State faculty, Prof. McCord was employed by Pratt and Whitney Aircraft Corp. as a senior analyst. He also served the U.S. Navy as a captain on a minesweeper in World War II, as an industrial engineer for special projects and as officer in charge of performance review.

In 1955, Prof. McCord took a leave of absence to the University of Puerto Rico, where he served as consultant and department head in helping create that university's first department of industrial engineering.

He has published professional articles focusing on engineering education issues and has served as a consultant to many firms and universities. He also served as a consultant to the U.S. Dept. of Health, Education and Welfare.

Additionally, Prof. McCord received an eight-week study grant from the English Speaking Union Technical Teachers Exchange Program to study programs in England related to technical institute education and continuing education studies. He also went on a 1970 AID-ASEE mission to Central American nations to investigate and publish the need for technical institute training.

Prof. McCord is a member of numerous professional organizations, including the American Society of Engineering Educators, the American Institute of Industrial Engineers and the Engineering Council on Professional Development. He was the first paid national secretary of the Engineers Technical Council and chaired accreditation committees of E.T.C. Regions III, V and VI.

Prof. McCord also is a member of E.P.O.E. Elks and the VFW, both in State

College, and the Penn State chapter of Tau Yappa Epsilon social fraternity. He was a member of the University Faculty Club.

Prof. McCord and his wife, Nancy (Adams) will continue to reside in the State College area. Of their three children, Peter Adams attends State College Junior High School; Kelly Ann is a sophomore at Indiana University of Pennsylvania, and Robert, Jr., resides in San Jose, Calif.

Barton L. Jenks, associate professor of mechanical engineering, retired March 1 after more than 32 years on the faculty.

A member of the Department of Mechanical Engineering faculty since 1950, Prof. Jenks received a 1982 Award for Outstanding Advising from the College of Engineering. He has published papers on design methods in engineering education and in the area of dynamics resonance applications. He also has studied the dynamics of a rock slide and the friction of a truck axle.

He has taught a wide range of courses in mechanical engineering, including kinematics, machine design, dynamics of machines, lubrication, engineering analysis and advanced graphics. He also made a major contribution to the Department's Centrum design course sequence, and he developed graduate courses in engineering analysis, lubrication and dynamics.

In addition, he served from 1979 to his retirement as cooperative education program adviser, from 1970 to 1979 as the Department's career counselor, and from 1973 to 1979 as adviser to PI Tau Sigma Honorary Fraternity.

Prof. Jenks, himself a registered Professional Engineer in Pennsylvania, created and evaluated Pennsylvania's Professional Engineering Licensing Examination for six years.

A native of Rutherford, N.J., Prof. Jenks received his B.S. degree in mechanical engineering from Swarthmore College in 1945 and his M.S. degree, also in mechanical engineering, from Princeton University in 1950. He has taken additional graduate work at Columbia University.

Prior to attending Princeton, Prof. Jenks worked as a design engineer for



Robert E. McCord

Westinghouse Electric Co. After coming to Penn State, he served on several occasions as an engineering consultant to industry.

Prof. Jenks has served on a variety of College and University committees. He also has been active in the American Society of Mechanical Engineers, serving as chairman of the executive committee of the Society's Central Pennsylvania Section, and as chairman of the Pennsylvania ASME Council of Section Chairman.

Prof. Jenks plans to remain in the State College area, where he will pursue his interest in personal computers.

Edward A. Adams, associate professor of art, has retired after 24 years of service.

Professor Adams joined the faculty in 1959 as an assistant professor and was named associate professor in 1963. He began his instructional career in 1948 at the University of Minnesota. He also taught at Bob Jones University and Wheaton College.

He was graduated in 1943 from North Carolina State with a degree in Aeronautical Engineering. He studied art at the University of Cincinnati and design at the Institute of Design of the Illinois Institute of Technology, and received his



Barton L. Jenks

M.F.A. at Cranbrook Academy of Art in 1951.

At Penn State, he taught undergraduate and graduate courses, and was an associate member of the graduate faculty. He was, for a time, head of the Graphic Design Program and the Foundation Program.

Professor Adams co-edited and co-authored the book *Design at Work: Its Forms and Functions* published in 1961. He has written numerous articles and participated in numerous exhibits with his sculpture, drawings and paintings.

Professor Adams was on the building committee for the Arts Building, 1961-63, and the Visual Arts Building, 1967-70. He assisted in the development of the floor plans and various facilities for those structures. He now resides in Raleigh, N.C.

Lester A. Auman, community service officer, University Safety, from Jan. 16, 1967, to March 1.

Dr. S. Douglass White, assistant professor, College of Human Development, Altoona Campus, from Jan. 1, 1968, to March 1.

Promotions

Faculty

Boh H. Glazier-McDonald to assistant professor of religious studies in Liberal Arts.

Staff Exempt

Robert L. Maney to manager, employee relations in Personnel Administration.
M. Rachel Miller to senior classification analyst in Personnel Administration.
Harold E. Neff to assistant director, systems operation in Management

Services

Barry G. Phelps to information systems consultant in Management Services.
Linda E. Pierce to employee relations officer in personnel administration.
H. Gregg Schuler to research support assistant at Hershey.

Staff Non-Exempt

Christine M. Albertini to medical laboratory technician at Hershey.
Susan K. Yagel to senior research technician at Hershey.

Clerical

Kathleen A. Burd to clerk A in Student Administrative Services.
Brenda J. Fornwalt to secretary C in Engineering.
Loiseta M. May to secretary A at Behrend College.
Nancy E. Potts to inventory clerk in Controller's Office.
Rebecca S. Ross to clerk, receptionist A in Health Services.
Susan L. Walker to secretary A in Vice President for Undergraduate Studies.

Technical Service

Craig E. Barger to relief operator in Business Services.
Robert A. Conway, Jr. to bookstore worker in Bookstore.
Mary L. Estright to group leader, snack bar worker in Housing and Food Services.
Chester M. Poorman to relief operator in Business Services.
Michael J. Reese to preventive maintenance worker — electrical in Physical Plant.
Edward L. Seibert to utility worker at Hershey.

Penn Staters

Robert C.S. Downs, professor of English, is one of three judges for the Drue Heinz Literature Prize by the University of Pittsburgh Press.

Dr. Mary M. Dupuis, associate professor of education, has been chosen president-elect of the 3,100-member Keystone State Reading Association.

Ray T. Fortunato, assistant vice president for personnel administration has published a collection of sixty-nine higher education human resource management articles which he collected and edited over the past fourteen years.

The book, entitled *Essential Personnel Practices*, was published by the College and University Personnel Association. Several of the articles were written by Mr. Fortunato and other members of

the University staff.

Maureen Garvin, instructor in art, will be exhibiting her work in a solo show at the Kling Gallery in Philadelphia from April 11 to May 6. She also participated in a group show at the Muse Gallery and the Philadelphia Art Alliance.

Dr. Laurie Gunter, professor of nursing and human development, has been named to the Commission on Nursing Education of the Pennsylvania Nurses Association. The commission's aim is to develop a program for quality nursing education by promoting the American Nursing Association's standards for undergraduate, graduate and continuing education.

Dr. Peirce Lewis, professor of

geography, is principal regional consultant for "Atlantic Gateways," a major series of historical maps, published by the National Geographic Society. The maps will be included with the March, 1983, issue of *National Geographic Magazine* and will be distributed to each of the Society's more than ten million members.

Richard Mayhew, professor of art, has been awarded the Grumbacher Art Award and Gold Medal in the 158th Annual Exhibition of the National Academy of Design.

Dr. Della M. Roy, professor of materials science, served as invited chairman of a session of a conference, "Technology in the 1990s: Developments in the Science and Technology of Hydraulic Cements,"

sponsored by The Royal Society in London, England.

Dr. Alfred Traverse, professor of psychology, gave a number of invited lectures in West Germany. At the Geographical, Geological and Botanical Institutes of Christian-Albrecht University in Kiel, he lectured in German on "The 'Ultimogene': Ten Million Years of Extraordinary Weather."

At the Georg-August University in Goettingen, he gave three talks — "Vegetation of Southeastern Europe during the Last 10 Million Years: Results of Paleobotanical Investigations in the Black Sea"; "Investigations at Penn State on the Earliest Land Plants"; and "Penn State Paleobotanical Research in the Triassic/Jurassic of North America."

Scientists develop new artifacts dating method

After 20 years of research and experimentation, a University anthropologist and other scientists have developed a new method of dating artifacts.

The technique for dating tools and artifacts made of obsidian, a glassy volcanic mineral, is expected to be as useful as radiocarbon dating in reconstructing the history of ancient human settlements.

"What makes it exciting is that obsidian dating fills a gap in archaeological dating methods," says Joseph W. Michels, professor of anthropology and head of the University Obsidian Dating Laboratory.

"Radiocarbon dating of charcoal is good for objects from 500 to 50,000 years old. Other methods, such as potassium argon and fission track dating, are effective for those about 100,000 years old or older. Obsidian dating fills the gap."

A lustrous, black mineral that flakes easily and can be shaped into a sharp cutting edge, obsidian occurs all through the mountain chain running from Alaska through South America. It was one of the earliest commodities to be widely traded, Dr. Michels says, and is still used today by hide workers in Ethiopia.

Obsidian hydration dating, first introduced in 1959 by Dr. Irving Friedman and colleagues at the U.S. Geological Survey, involves measuring the thin layer that forms on a freshly exposed obsidian surface as water from the air diffuses into the mineral. The thickness of this hydrated layer is measured by optical microscopy.

"The obsidian dating technique was discredited for a time because original hydration rate formulations were not accurate," Dr. Michels says. "Only a few of us persevered in our research. In the early 1970s, we got help from glass scientists in better understanding the

properties of obsidian."

Early limitations of the technique were due to ignorance of the role of chemical variation in obsidian samples in altering the hydration rate and the inability to determine hydration temperature at the archaeological site.

Dr. Michels and his colleagues found that if the chemical composition of the obsidian, its diffusion rate and the temperature at the time of exposure are known, it is possible to date the exposure by measuring the thickness of the hydration layer. Correct dating, however, depends on knowing the values of all three variables.

Through laboratory testing, they developed procedures for determining hydration rate constants for each type of obsidian and for calculating hydration temperatures at the time the obsidian was exposed to the atmosphere. The refined techniques, he says, make it possible to get calendar dates for obsidian artifacts.

The research leading to the obsidian dating technique was funded by the National Science Foundation. Dr. Ignatius S.T. Tsong, formerly of Penn State's Materials Research Laboratory and now at Arizona State University, collaborated with Dr. Michels on the project.

Using the refined dating technique, Dr. Michels and his colleagues say, it is now possible to get accurate and reliable calendar dates for obsidian artifacts fashioned from 150 to 120,000 years ago without resorting to other dating techniques for calibration. With further refinements, the technique could be used to date obsidian artifacts up to 500,000 years old.

If obsidian artifacts or chips from them can be found at a site, archaeologists can use obsidian dating as an alternative to radiocarbon dating when good samples of charcoal are not available, Dr. Michels



Dr. Michels selects a sample for obsidian hydration dating

Photo: Scott Johnson

says.

He and his colleagues tested the technique on 72 different obsidian samples found in East Africa. The results were in agreement with independent radiocarbon results.

"We've tested the method on obsidians from three continents, and the dates are fully compatible with radiocarbon dates," he says.

— Deborah A. Benedetto

News in Brief

Winter Term commencement

"When Penn State's faculty researchers win in the national and international scholarly arenas, you and all of us forming the University community also win," graduating seniors at the University were told Saturday.

"The recovering stock market is very much in the news," Richard C. Cunningham, vice president for research and graduate studies, said. "A parallel to that might be

appropriate: By graduating from Penn State, you have acquired stock in the corporation. The research achievements of your faculty are important to the value of your Penn State stock."

Dr. Cunningham told the graduates and their parents that research is one of Penn State's basic missions, in addition to teaching and public service. A strong and lively research program, he said, is essential to a quality graduate program.

More than 1,800 graduates received degrees at the Winter Term commencement. Degrees were awarded by President Oswald, assisted by Trustee Obie Snider of Imler.

Case-Users Workshop

Dr. Louis B. Barnes, professor of organizational behavior at Harvard Business School, will be the faculty leader for a Faculty Case-Users Workshop being offered by the College of Business Administration from 3 to 9 p.m. Wednesday, March 23, in the Faculty Building.

Author Recognition Day reminder: Faculty members are reminded that the Penn State Bookstore will hold its first Faculty-Staff Author Recognition Day/Reception from noon to 4 p.m. on Sunday, April 24.

Faculty members and their families are invited to attend. Books will be displayed and special orders will be taken for books if demand exceeds the number of books on hand.

Faculty authors are urged to send pertinent information — name of author, titles of books published, publisher and date — to Elizabeth Wilson at the Penn State Bookstore.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1367 (network line 475-1367). Applications for these staff vacancies will be accepted until 5 p.m., March 17, 1983. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

Applications for staff vacancies are considered in accordance with Fair Employment practices (PE-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

● **Administrative Aide, Gifts and Endowments, University Park** — Responsible to Telefund Project coordinator for overseeing daytime operations of the Telefund Calling Center and supervising one or two calling sessions per week. Schedule and supervise part-time clerical employees. Prepare and maintain payroll records. Prepare daily calling session statistical reports. Assist with caller recruitment and interviewing. Coordinate pledge confirmation

and reminder letters and production of computer prospect data forms. Evening work is required during weekdays. Bachelor's degree or equivalent plus one year effective experience in an administrative/supervisory position. Fixed Term position funding to June 30, 1984.

● **Telefund Project Coordinator, Gifts and Endowments, University Park** — Responsible to management of Telefund Project for calling alumni and achieving fund-raising goals. Supervise phoning staff and oversee calling sessions to assure control and performance standards. Recruit and train telefund callers. Coordinate work schedule. Implement record keeping and gift pledging systems. Coordinate support mailings and prepare appropriate statistical and analytical reports. Evening work is required during weekdays. Bachelor's degree or equivalent plus one to two years' effective experience, preferably in university administration, public relations, or promotional activity. Strong oral and written communication skills are important. Fixed Term position funding to June 30, 1984.

● **Manager, Accounting and Budgets, College of Medicine, Hershey** — Responsible to the assistant hospital director/director of financial affairs for planning, coordination and liaison functions for budgets, general accounting, and computer services at the Hershey Medical Center and Elizabethtown Hospital. Also

responsible for selection and direction of assigned personnel at the Hershey Medical Center. A bachelor's degree in accounting or business administration with an accounting major or equivalent. Four to seven years of effective experience.

● **Senior Associate Hospital Director, College of Medicine, Hershey** — Responsible to the hospital director of the University Hospital of

the Milton S. Hershey Medical Center for the administration, implementation, and coordination of the day-to-day operation of the teaching hospital, particularly in the areas of planning, organizing, staffing, directing and controlling of various programs and hospital departments. Master's degree in health care administration or equivalent with six to seven years effective experience as an associate hospital director.

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Taking part in establishment of the John W. Oswald Chair in Surgery at the Hershey Medical Center are, from left, Walter J. Corti, president of the Board of Trustees, President Oswald; Dr. John A. Waldhausen, chairman of surgery at Hershey and first occupant of the Oswald Chair; Dr. Harry Prystowsky, provost of the Medical Center and dean of the College of Medicine; and William K. Ulerich, a Trustee and chairperson of the Milton S. Hershey Medical Center Advisory Committee.

Endowed chair in surgery honors President Oswald

The John W. Oswald Chair in Surgery, honoring the University's 13th president, has been established at the Hershey Medical Center.

It will provide the salary and supplementary funds to allow a distinguished scholar to teach, perform research and serve patients at the Medical Center.

"The John W. Oswald Chair in Surgery is being established in respect for, and recognition of, Dr. Oswald's meaningful contributions to the Medical Center, its growth and development," Dr. Harry Prystowsky, provost and dean of the College of Medicine, noted.

The first class of students entered Penn State's College of Medicine in 1967, he added, just three years before Dr. Oswald assumed the Penn State presidency. Since

1970, Dr. Oswald has been a major supporter of the expansion of programs and services at the Medical Center, he said.

Dr. Oswald came to Penn State from the University of California at Berkeley, where he was executive vice president. From 1963 to 1968, he was president of the University of Kentucky.

He is a former president of the Association of American Universities and the Pennsylvania Association of Colleges and Universities. He served as chairman of the American Council on Education.

"A chair named for an individual is a prestigious academic honor. It is one of the highest distinctions that can be bestowed upon a member of the academic community," Dr. Prystowsky noted.

Four endowed chairs are established at Hershey

Four endowed chairs — which help to build academic excellence at universities — have been established at the Hershey Medical Center.

"They are the John W. Oswald Chair in Surgery, honoring Penn State's 13th president; the University Chair in Anesthesiology; the University Chair in Pathology; and the University Chair in Radiology.

"We see this as an extremely significant action," Dr. Harry Prystowsky, provost of the Medical Center and dean of the College of Medicine, told the Board of Trustees meeting Saturday in Hershey.

"An endowed chair is a very important indication of excellence. To establish four at

once is a clear indication that an institution is striving for — and achieving — excellence in its undertakings."

Each of the four chairs will provide the salary and supplementary funds to allow a distinguished scholar to teach, perform research and serve patients at the Hershey Medical Center.

The establishment of an endowed chair requires a minimum endowment of \$750,000. Funds for the chairs have been made available principally from fees generated by professional services and by gifts from alumni and friends of the University and from interested organizations. The holders of the chairs are to be appointed by the University

president, upon the recommendation of the dean of the College of Medicine.

Dr. Prystowsky told the Trustees the presence of endowed chairs has a great impact, not only on faculty and staff members of the University and its medical center, but also on Penn State students.

"The importance of these chairs and another recently established one, the Four Diamonds Chair in Pediatrics, extends well beyond the considerable opportunities that are provided by the money alone," he said.

"The fact that such a large sum of money is channeled into an institution is a public signal that the university and its medical center have the capacity for

scholarly excellence and innovative research. Also, the importance of the field in which the scholar holding the chair works is emphasized by the endowed chair, and the endowment provides for continuity in that emphasis."

In addition, Dr. Prystowsky said, the best prospective undergraduate and graduate students, other trainees and young faculty members often are attracted to the professor who holds an endowed chair.

"These outstanding young people enhance and help to move forward programs in which the professor is involved."

Budget request details presented to committees

This is a second article detailing information on the University's budget request presented in a series of questions and answers before the House and Senate Appropriations Committees in Harrisburg.

What Are the University's Most Pressing Problems?

• Enrollments continue to shift toward high technology and other more costly fields of study. The top baccalaureate degree programs in terms of student enrollment are:

- Accounting
- Electrical Engineering
- Mechanical Engineering
- Business Administration
- Computer Science
- Nursing

Enrollments in these fields are at record highs, but they also are among our most costly disciplines. These pressures are occurring at a time when our total enrollment is at an all-time high. The University has not been able to provide sufficient additional faculty positions and supporting resources in these growing areas. We are concerned with the equally pressing need to maintain a proper balance between professional education and general education in the liberal arts and sciences.

• Instructional and research equipment is rapidly wearing out or becoming obsolete. Sophisticated instrumentation has a technological life-span of only three-to-five years. The University spends millions of dollars per year on computer equipment, but its needs are easily two-to-four times what we are able to provide. This problem is common to all institutions of higher education.

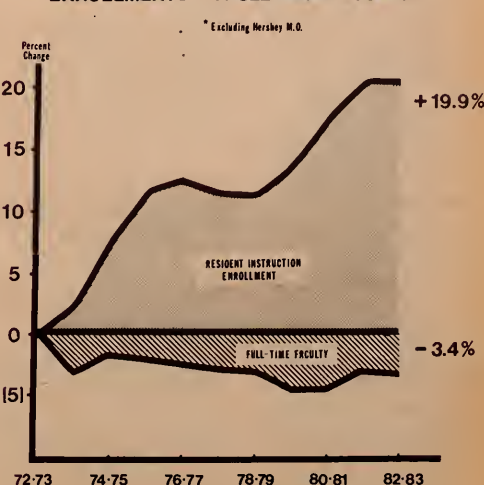
• The University's physical plant is aging and many facilities are in serious need of renovation and major maintenance. The funding of major repairs and alterations is a continuing financial problem which would require \$5 to \$6 million in expenditures each year. A deferred backlog of growing proportions exists. Much of this involves facilities constructed by the Commonwealth. We need your help in solving this problem.

What Is the Evidence That the University Is Accomplishing Its Job in a Cost-Effective Manner?

• The Joint State Government Commission evaluates annually the productivity of the faculties and the salary costs of all state-owned and state-related institutions of higher education. The 1982 report clearly indicated that of all institutions compared:

- Penn State operates with the lowest

PERCENT CHANGE IN ENROLLMENTS VS. FULL-TIME FACULTY*



State appropriation per student.

• Penn State's instructional faculty salary cost per student is the lowest.

• Penn State has the lowest cost per student credit hour.

(Continued on page 3)

From the Trustee Docket

Private giving up 12%

Private giving to the University was 12 percent ahead of the previous year during the last six months of 1982, after accounting for a change in gift reporting. Trustees have been told.

The University received more than \$9.9 million in gifts from individuals, corporations and foundations from July 1, 1982, through Dec. 31, 1982. That is \$2.1 million — or 31 percent — more than was given in the comparable period in 1981.

While about \$1.3 million of that dollar increase stems from a change in deferred gift recording procedures, dollar totals still reflect a 12 percent increase, Joseph J. Mansfield, vice president for development, said. In 1981-82, private giving reached an all-time annual high of more than \$15 million.

"The outlook for the next six months is very positive," Mr. Mansfield told Trustees. "Our hope is that we exceed \$18 million by June 30."

Mr. Mansfield said the number of donors was 24 percent higher in the last six months of 1982 than in the same period in 1981. It increased from 17,349 to 21,452.

He attributed the increase to the Office of Gifts and Endowments' expanded direct mail and phonathon programs, a \$78,766 increase in WPX-TV's fund-raising telethons and overall better communication of the University's private support needs. Penn State receives only

about 27 percent of its funding from the state, Mr. Mansfield noted.

"We're seeing more and more gifts coming from alumni and friends, and we're continuing to strengthen our support from the corporate sector," he explained.

In the 1982 six-month period, more than 14,700 alumni made contributions, compared to about 12,200 in 1981. Non-alumni donors rose from 39 percent, from 3,872 to 5,309. Both groups accounted for a \$209,677 increase. The number of corporations and businesses contributing to Penn State rose 22 percent, from 1,768 to 2,280. They gave \$250,000 more than in the 1981 six-month period.

Annual giving, gifts from individual alumni and friends, increased in value by 31 percent from about \$1.12 million last year to about \$1.47 million over this six-month period. Private foundation contributions increased by 19 percent to \$994,213.

There was an \$846,071 overall increase in giving to individual colleges. The colleges of Engineering, Medicine, Earth and Mineral Sciences and Agriculture attracted the largest share of gifts.

The College of Agriculture showed a major increase of over \$518,126. That included a \$150,000 contribution by the R.K. Mellon Trust to the recently endowed Maurice K. Goddard Chair in Forestry and Environmental Resource Conservation.

"The project will cost approximately \$2.7 million with funds to be provided by a recent bond issue," said Ralph E. Zilly, vice president for business. Construction could begin as early as August, with the project completed by fall, 1984.

A Salvage Warehouse, designed by the Office of the Physical Plant, will be built near the present business services building. The 10,800 square-foot, pre-engineered metal frame building will replace the present Salvage and Surplus Building.

"The present building is an aged wooden structure with roofing, gutters, downspouts and the heating system in very poor shape," Mr. Zilly said.

The new building will contain sales and storage areas, a shop, office, loading dock and fenced-in storage yard. The structure is expected to cost approximately \$300,000 and will be paid for through funds earned by the University's self-supporting salvage operation and business service units. Construction is expected to begin next month.

The building is the first phase of a project to construct an addition at the Maintenance Building that will house all activities of the Office of the Physical Plant that are now in Old Main. Details on that project will be presented to the Trustees at a future meeting, Mr. Zilly said.

nutrients, primarily nitrogen and phosphorus," he said. "In a stream, these nutrients spur the growth of algae. Under certain conditions, algae require oxygen, and this consumption denies sufficient levels of oxygen to other forms of life in the stream."

In the land application system, however, the nutrients in the effluent "interact with the 'Living Filter' — the first several feet of earth — which contains soil, roots and microorganisms. Here, the nutrients are used by vegetation or are retained by the soil."

Aside from removing nutrients that can choke off life in waterways, the land application system replenishes underground water supplies, Mr. Zilly said.

"The land application system at Penn State is designed, managed and monitored so that the quality of the treated effluent is improved to the extent

that it meets standards for potable water before it percolates down to underground aquifers."

The system encompasses 516 acres on two sites near the University Park airport. The "Gameland's" site has 360 acres and the "Astronomy" site has 156. On these areas are some 60 miles of pipe and more than 3,000 sprinklers that apply the effluent at predetermined rates.

"The rate of application is very slow — 1/4 inch per hour," Mr. Zilly noted. "This permits easy infiltration into the soil. In addition, only about seven percent of the total application area — about 36 acres of 516 acres — will be irrigated at any one time. At that rate, a maximum of two inches of treated effluent per week can be sprayed on these sites."

The system is designed to handle three to four million gallons per day of effluent from the University's Wastewater Treatment Plant. The effluent that is applied to the land will have received primary and secondary treatment, in addition to chlorination, Mr. Zilly said.

Title change OK'd

The titles of the chief administrators of the University's 17 Commonwealth Campuses have been changed from "campus director" to "campus executive officer."

President Oswald announced the change at the Board of Trustees meeting. "A change in title is very much in order to reflect more accurately the importance and diverse responsibilities of this position," Dr. Oswald said. "I have wanted, for some time, to identify a new title that would express more clearly — to the University as a whole and to the communities in which our campuses are located — the importance of this post."

Dr. Oswald told the Trustees he had informed the 17 campus executive officers of the change. It reflects, he noted, only a change in title and not in duties or organizational lines.

"I also have directed Robert J. Scannell, vice president and dean of the Commonwealth Educational System, to

consult with the campus executive officers on appropriate corresponding changes in the titles of their first-line staff members," he added.

The 17 Commonwealth Campus executive officers are: Robert D. Arbuckle, New Kensington Campus; Hugh M. Barclay, Fayette Campus; Robert A. Bernoff, Altoona Campus; John V. Cooney, Gettysburg Campus; William J. David, Hazleton Campus; Vincent DeSanctis, Shenango Valley Campus.

Edward M. Elias, York Campus; James D. Gallagher, Worthington Scranton Campus; Wayne D. Lammie, Schuylkill Campus; Herbert G. McGibbeny, McKeesport Campus; David B. Otto, Beaver Campus.

Harold W. Perkins, Berks Campus; James H. Ryan, Wilkes-Barre Campus; Jacqueline L. Schock, DuBois Campus; Vernon L. Shockey, Mont Alto Campus; John D. Vairo, Delaware County Campus; and Carson W. Veach, Altoona Campus.

product," he noted.

One result is that more students are looking for courses in information processing fields, he said. Similarly, faculty members need the power of computer and communications technology to remain at the forefront of research activities in their disciplines.

"From an administrative perspective, the University requires a system that will enable decisionmakers to have access to the information they need — a special challenge for Penn State because of the University's unique organizational structure."

He outlined Penn State's Administrative Information Systems Project. The University is working with Electronic Data Systems of Dallas, Texas, to develop and install a state-of-the-art computer-based administrative support system that will be fully integrated and support all offices of the University.

Computer system

The University is planning its future computer and communications systems to meet the growing demands of its students, faculty and administration, members of the Board of Trustees have been told.

"As one of the nation's major educational institutions, Penn State must consider carefully the role that education in general and this institution in particular will play in the transformation of the United States from an industrial to an information-based society," said J. Gary Augustson, director of computer and information systems and special assistant to the president.

He said the rapid shift to an information-based society has created new demands on the University's computer system.

"Information-based activities now account for one-half of the nation's gross

3 new programs

Trustees received a report on three new programs of study to be available soon. The programs were designed to use existing courses and facilities and will require no additional funding.

"The College of Agriculture will offer a master's degree in agricultural mechanization," Provost Eddy said.

The program will be offered through the Department of Agricultural Engineering, effective immediately. It is designed to serve students who hold bachelor's degrees in agricultural mechanization and in other fields of agriculture.

"We also believe it will be useful for county agents, vocational agriculture teachers and others involved in agriculture-related occupations," Dr. Eddy said.

The trustees also discussed two new minors.

"A new minor in physics will be available to provide training in classical and quantum physics," Dr. Eddy said. "It can be used to build a second area of expertise by students who majored in non-technical fields as undergraduates. It also will be appropriate for those already in technical fields who want advanced training in basic science."

Dr. Eddy said the physics minor also could be used as part of a certification program for secondary school teachers or to fulfill special admission requirements for some graduate programs. The new minor will be offered for the first time in the 1983 fall semester.

Also to be offered for the first time then is a new minor in English.

"It will be a general course of study that could complement any major in the University," Dr. Eddy said.

New effluent system

The University Park Campus will inaugurate a new system of wastewater (effluent) treatment next month.

Instead of discharging treated effluent from its Wastewater Treatment Plant into Spring Creek, the University will pump it to two sites north of campus where it will be applied to the land, Ralph Zilly, vice president for business, told Trustees.

"This land application system is the largest such alternative treatment system in Pennsylvania," Mr. Zilly said. "Its design incorporates 20 years of research on land application of treated effluent by University scientists and engineers, primarily in the College of Agriculture."

The system addresses two problems, Mr. Zilly added: the discharge of effluent into waterways and the depletion of underground aquifers, or water supplies.

"The main problem with effluent is its

Higher Education Update

Telebriefing on higher ed in Pa.

The first telebriefing on higher education, organized by the Department of Public Information and Relations, was held Monday, March 21.

The telebriefing, called "Higher Education Update," is, in effect, a press conference conducted by telephone, with panelists making presentations and answering questions from members of the media throughout the state.

Panelists and their topics for the first session were:

- Dr. James Gallagher, commissioner of higher education in Pennsylvania, "An Update on the State System of Higher Education in Pennsylvania."

- Dr. James Ream, president, Pennsylvania Association of Colleges and Universities, "Colleges Meet the Challenges of Revitalizing Pennsylvania's Economy."

- Dr. William E. Toombs, professor of education and director of the Center for

the Study of Higher Education, "The Parents' Role in the Student's Choice of College."

Arthur V. Ciervo, director of Public Information and Relations, chaired the program which included media participants from the Associated Press, United Press International, Centre Daily Times, Daily Collegian, Harrisburg Patriot-News, Philadelphia Inquirer, Pittsburgh Press, Pittsburgh Post-Gazette and Sharon Herald.

"The telebriefing," Mr. Ciervo said, "is an attempt to keep the state's busy education writers informed about what is going on in higher education. This will be done at a small investment in time, of about 30 to 40 minutes per session."

Plans for "Higher Education Update" to be conducted periodically. Panel representation will change, depending upon what issues are to be discussed.



Dr. William E. Toombs times his presentation during the first "Higher Education Update" telebriefing.

Photo: Scott Johnson

Budget request

- By academic discipline, the University's costs are the lowest in seven of the twelve compared and second lowest in four others.

- Penn State has had a program of internal budget cutbacks and reallocations since 1971-72. To date, more than \$27.6 million, or 10 percent of the current general funds budget, have been pulled back from operating budgets and reallocated to areas of greater priority or need. All academic and non-academic activities have been affected. To help preserve the quality of the University's academic programs, nearly two-thirds of the budget reallocations have been made from non-academic units. These actions

have helped the University to maintain a relatively stable course, thereby avoiding the severe disruptions that funding crises have caused in institutions throughout the country.

- Faculty members have absorbed significantly increased teaching loads. Excluding medicine, resident instruction enrollments increased by 19.9 percent (from 47,024 to 56,362) between 1972 and 1982, while the number of full-time faculty members decreased by 3.4 percent (from 3,175 to 3,067).

- There were 176 fewer academic and non-academic personnel on the University's payroll in October of 1982 than there were in October, 1976.

(Continued from page 1)

From the Trustee Docket

Career counseling

More students are seeking career counseling at the University than in the past, and they are doing so earlier in their college experience.

Those were among the conclusions of a report on use of the Career Development and Placement Center counseling services during 1981-82 which was presented to the Board of Trustees.

"There's a combination of factors operating here," said former CDPC director Richard G. Swails. "First, the Center has stimulated increased use of its facilities by offering a wider range of programs to address career development issues at all levels of student needs."

Because of this and greater communication about the services available, the Center has achieved a much higher visibility on campus.

"Also, the prevailing economic climate and the resulting tightening of the job market has produced career anxiety and increased attention to career concerns among students."

Dr. Swails, who was named Penn State's director of corporate relations in January, said the number of students seen in individual counseling at the Center rose by more than 600 to 3,418 in 1981-82 — up from 2,772 during 1980-81. More than one-third of these students were freshmen or sophomores.

Dr. Swails said that one of the Center's many other services, the on-campus recruiting program, also reflected the economic climate with a slight dropoff (4 percent) in number of interviews conducted — from 28,137 in 1980-81 to 27,082 in 1981-82. However, student registration for interviews was up considerably, reaching an all-time high of 8,870 (a 19 percent increase over 1980-81). In all, those students requested 89,168 interviews (a 20 percent increase over 1980-81).

Data gathered from other services at CDPC during 1981-82 showed that:

- 186 students participated in 34 counseling groups.

- 1,282 students used an interactive computer-assisted guidance and information system called DISCOVER.

- 316 students enrolled in 10 sections of seven different credit courses taught by CDPC staff.

- 8,463 students heard outreach programs from the Center in their classes, student organization meetings or dormitory groups.

- 4,900 students participated in 15-minute orientation sessions held at the beginning of each term to introduce them to CDPC's on-campus recruiting system.

In all, more than 20,000 students used one or more of the services offered by CDPC.

ways, including the size of programs, reputation of faculty, the quality of specific programs and the number of graduates employed on the faculties of other institutions.

"Unfortunately, such studies do not adequately evaluate the teaching effectiveness at a university. It is important that we keep these points in mind when we evaluate any one study that attempts to measure the quality of comprehensive universities."

Women's Studies Colloquium Day

A Women's Studies Colloquium Day will be held April 5 in Room 305 HUB.

Sabrina Chapman, coordinator of Women's Studies, will open the day-long colloquium at 9 a.m. Coffee and donuts will be available.

The program includes:

- a panel discussion at 10:30 a.m. on "Sex Roles, Sex Bias and Stereotypes" with Suzanne Getz, associate professor of human development at Mont Alto Campus; Johanna Ezell, senior assistant librarian at Mont Alto; Carol Kessler, assistant professor of English and American studies at Delaware County Campus.

- a discussion at noon on "Romantic Fiction: Corruption or Liberation?" by Emily Toth, assistant professor of English and American studies (brown bag lunch).

- a discussion at 1:30 p.m. on "Issues in Women's Health and Sport" by Margot LeBrasseur of the American Indian Program and Nanette Mutrie of the Department of Health and Physical Education.

- a discussion at 3 p.m. on "Women Artists and Writers" (speakers to be announced later).

All members of the University community are invited to attend all or part of the program. The Colloquium committee members include Frieda Rozen, instructor of labor studies (co-chairperson); Kay Moore, associate professor and research associate in the Center for the Study of Higher Education (co-chairperson); Dorothy Harris, professor of health and physical ed.; and Barbara Dean, asst. librarian.

The recent study, sponsored by the Conference Board of Associated Research Councils, examined disciplines in five areas: mathematics and physical sciences, humanities, engineering, biological sciences, and social and behavioral sciences.

Some of the indicators used in the study included measures of program size, numbers of graduates, reputational survey results, numbers of scholarly publications by faculty members, numbers of research dollars produced and factors such as the size of the library.

Dr. James B. Bartoo, dean of the Graduate School, who gave an analysis of the Jones-Lindzey study, said:

"It is my opinion that these rank orderings on every index . . . will assist programs to set internal priorities. It will also give the University some useful

information in its more-or-less continuous process of monitoring the quality of programs."

"Whether we like it or not," he noted, "the reputational assessments will be used most by prospective faculty and graduate students."

Dean Bartoo commented on other limitations of the national study.

"Among them is the fact that it does not reflect many of the rapid changes in graduate education over the years that have resulted in establishment of vigorous new programs such as in materials science, for example. Penn State has very strong programs in that field."

"Also, while this study examines programs in only 32 fields, Penn State offers the doctorate in 95. The study is limited in scope to only a few very traditional fields."

Alumni Assoc. report

Trustees received a report on the Alumni Association's growth and program expansion during the past year from Richard A. Zimmerman, Association president.

Mr. Zimmerman, president of Hershey Foods Corp., also reviewed major Association developments that occurred under the leadership of recently retired executive director Ross Lehman. Mr. Lehman, who retired this month, has been affiliated with the Association for 35 years. For the past 13 years, he has been executive director.

"During his 13 years at the helm, the size of our alumni body more than doubled; the number of paid members in the Alumni Association increased by 134 percent; and the network of Penn State Clubs spread across the country," Mr. Zimmerman said.

He noted the growth of Constituent Alumni Societies in recent years and the development of a computerized system for storing one-quarter of a million alumni records for easy retrieval.

Many special programs have been

created under Mr. Lehman's leadership, he said. They include the Alumni Fellows program, Honorary Alumnus Award, Alumni Vacation College, Alumnus Day, Alumni Placement Service, summer jobs promotion for students, training of alumni to help recruit students and the Lion Ambassador Student-Alumni Corps.

"The newest Association venture — the Lion Ambassadors — concluded a very successful first year. These enthusiastic and energetic future alumni obviously have made their presence known on campus," he said.

The Honorary Alumnus Award, established in 1973 under Mr. Lehman's sponsorship, will be presented this year to Rose Oswald in recognition of her contributions during the last 13 years.

"Ross (Lehman) has certainly left us a rich legacy of outstanding volunteer alumni leadership for our University," Mr. Zimmerman said. "As we close one era, we open another during which we will be led by Dr. William J. Rothwell, who assumed the duties of executive director of the Alumni Association this week."

Graduate programs study

A recent national study of graduate education and research in 32 fields is an important one, but its findings must be kept in perspective, President Oswald has told the Board of Trustees.

"In recent weeks," he said, "an evaluation of research-doctorate programs at 228 universities was reported widely in the news media. Comparisons among universities can be made in a variety of

Focus on the arts

Museum features talk

Museum docent Elizabeth Bodenstein will discuss "A Portrait Study of Two Women" at 12:10 p.m. today in the third of four brown-bag lectures at the Museum of Art.

The focus of Mrs. Bodenstein's slide talk will be on two paintings in the Museum's collection, the 1818 *Portrait of the Comtesse de Tracy* by the French artist Ary Scheffer and the *Portrait of Mr. Leonard Eichholtz* by American artist Jacob Eichholtz dating from circa 1819.

Mrs. Bodenstein, a docent at the Museum of Art since 1981, taught English and German at the Hazlet Campus for 18 years. She was born in London, and lived in The Hague and Berlin before coming to the United States in 1934.

While growing up in Europe, she developed a strong interest in art, particularly Dutch and Flemish painting.

Visitors are encouraged to bring a bag lunch; coffee and tea will be provided at the museum.

Opera workshop set

The School of Music and the Institute for the Arts and Humanistic Studies will present the 1983 Opera Workshop *Double Exposure* at 8:30 p.m. Saturday and Sunday, March 26 and 27, in the Music Bldg. recital hall.

Tickets are on sale at Eisenhower Auditorium, from 9 a.m. to 4 p.m. weekdays. Tickets also will be available at the recital hall the evening of the performance from 7 to 8:30 p.m.

Double Exposure includes Kurt Weill's one-act opera *Die Tzar* and *Die Tzar's Photograph Taken*, and *Les and Ear*, an original musical-theatrical revue by Bruce Trinkley. Both productions will be directed by Peg French.

The *Tzar* has His Photograph Taken tells the tale of a star who visits the Paris photographic studio of the renowned Madame Angele for a portrait sitting. Before his arrival, a band of conspirators substitutes a "false" Angele and two assistants, who place a pistol into the camera set to fire when the "picture" is shot.

Les and Ear is an original revue by Bruce Trinkley based on poems and songs from the late 19th and early 20th century about the early days of photography. Material for the revue was donated from the collection of Professor Heinz Henisch of the Art History Department.

Les and Ear is performed by soprano Chris Sperry, alto Candance Kintzer, tenor Charles Claus, baritone Larry Newman, and bass Bill Hensel.

The *Tzar* has His Photograph Taken will present bass Joel Westa in the title role, sopranos Tsu-Er Jan and Paula Hepper as the photographer Angele and her counterpart, respectively, tenors Troy Fretwell and Gary Riklin as the assistant and his double, and altos Marcia Huston

and Jane Brockman as the servant boy and his double.

The orchestra for the production will be Musica da Camera with additional winds, brass and percussion under the direction of Mr. Trinkley.

Pianist Steen in recital

The School of Music will present pianist Elizabeth Steen in recital at 8:30 p.m. Monday, March 28, in the Music Building recital hall.

Miss Steen will perform J.S. Bach's *Prelude and Fugue in E major* from the second book of the *Well-Tempered Clavier*, Beethoven's *Sonata in E major*, op. 109, Prokofiev's *Toccata*, op. 11, and Schumann's *Carnaval*, op. 9.

Miss Steen is a student of Steven Smith and expects to graduate in May 1983 with her bachelor of music degree. She has performed with the Penn State Symphony and the Pittsburgh Symphony. She has received many awards and scholarships, including six scholarships for summer study at the Chautauque Festival, the Simeon and Elizabeth Gallu Scholarship at Penn State and the Presser Award/Scholarship.

Lavrin to lecture

Asuncion Lavrin, associate editor of the *Handbook of Latin American Studies* and adjunct professor of Latin American history at Howard University, will visit the University March 29 and 30.

She will give a public lecture on "Feminists and Feminism in 19th and 20th Century Latin America" at 3:45 p.m. March 29 in Room 112 Chambers. Her visit is sponsored by Women's Studies, the Department History and the Institute for the Arts and Humanistic Studies.

Two piano recitals

The School of Music will present two piano recitals during Common Hours March 31 and April 5.

Undergraduate pianist Rhonda Wright, a student of Steven Glass, will present her junior recital at 1 p.m. Thursday, March 31, in the Music Building recital hall. Works on this program include Bach's *English Suite No. 5*, in E minor, Paul Hindemith's *Sonata no. 2*, and two Chopin *Etudes*, op. 25, no. 1 ("Harp") and op. 10 no. 5 ("Black Key").

Miss Wright has received a School of Music scholarship, the 1982 Creative Achievement Award in Music, and was the 1981 winner in the undergraduate piano division of the Young Artists Competition.

Concert pianist Paul Jones will perform at 1 p.m. Tuesday, April 5. He will present a lecture entitled "Music: An Uncertain Future" during Common Hour April 7. Both appearances will be in the Music Building recital hall.

Mr. Jones holds degrees from Oberlin College and the Juillard School. He

studied at l'Ecole Normale de Musique de Paris under a French government scholarship and won both the Albert Roussel Prize and the Licence de concerts. He has appeared on National Educational Television and participated in the Rockefeller Foundation's Contemporary Directions Project. He is a member of the music faculty of Immaculata College.

Wolf is Visiting Fellow

Armin Wolf of the Max Planck Institut für europäische Rechtsgeschichte in Frankfurt, will be a Visiting Fellow of the Institute for the Arts and Humanistic Studies March 27 to April 8 and April 13-14.

One of the leading historians of medieval law, he is author of five books on medieval legal history and three on historical geography, as well as editor of a series published by the Max Planck Institut.

Dr. Wolf will speak at three lectures (all in room 124 Sparks):

— Medieval Studies Colloquium: "The Historic Role of the Prince-Electors of the Holy Roman Empire" (with slides), 1:30 p.m. March 31.

— Classical Studies Colloquium: "Did Homer have a Map? New Observations on the Geography of the *Odyssey*" (with slides), 3 p.m. April 5.

— History Colloquium: "The Origin of the German Prince-Electors. Ideas on the Common Root of Heritability and Electability," 1:30 p.m. April 7.

His visit is sponsored by the Institute and the Department of History.



David Ray

Kansas poet to visit

David Ray, a poet from Kansas, will speak at the Comparative Literature Luncheon on "Prakiti Love Poetry" at 1 p.m. April 4 in Room 101 Kern and read from his own poetry at 3:45 p.m. in the Rare Books Room of Pattee Library.

Mr. Ray, professor of English at the University of Missouri, is author of seven books of poetry including *The Trump's Cup*, which won the William Carlos Williams Award of the Poetry Society of America.

He is editor of *New Letters*, a literary

quarterly, and seven collections of poetry and essays. He also has published a collection of short stories.

Mr. Ray spent a year in India working on translations, with Indian poets, of medieval love poetry in Prakrit. He received his bachelor's and master's degrees from the University of Chicago and has taught at Cornell University, Reed College, the University of Iowa Writers Workshop and Syracuse University.

Since 1977, he has been producer of *New Letters On The Air*, a weekly half-hour radio program broadcast over many National Public Radio stations.

His visit to the University is sponsored by the Pennsylvania Council on the Arts, the Institute for the Arts and Humanistic Studies, the Department of English and the Rare Books Room.

Visiting lecturer

Professor Ian L. McClargh, 1983 recipient of the John R. Bracken Fellow Award from the Department of Landscape Architecture, will deliver a lecture entitled "Man's Design With Nature" at 8 p.m. Tuesday, April 5, in Schwab Auditorium. The public is invited.

Professor McClargh is the founder and chairman of the University of Pennsylvania Department of Landscape Architecture and Regional Planning. He is renowned in both the design and planning professions as a pioneer in ecologically based planning, and author of the text, *Design With Nature*.

Recital rescheduled

The School of Music faculty chamber music recital featuring percussionist Dan Armstrong, originally scheduled for Friday, April 1, has been rescheduled for 8:30 p.m. Wednesday, April 6.

New Zoller exhibits

Zoller Gallery will open two MFA exhibitions March 30 featuring the work of sculptor Christopher Voll and painter Alexandrette Lu Spangler. The exhibitions will run through April 6.

A reception will be held for the artists April 1 from 5 to 7 p.m. Zoller Gallery is open 9 a.m. to 5 p.m. on weekdays and from 1 to 5 p.m. weekends.

Faculty art show

The work of five new faculty members in the School of Visual Arts is on display through March 27 at Zoller Gallery.

The artists, Robert Gibson, printmaker; painters Walter Hatke and Rob Nelson; ceramist/sculptor Berry Matthews, and sculptor Wade Saunders, all joined the faculty in September, 1982.

The work presented in the gallery ranges from small painted cast bronze pieces to intimate painted still-lives and more expansive landscape images as well as an enigmatic installation of a gilded threshold.

Whitesides to give Dreyfus lecture

Dr. George M. Whitesides, professor of chemistry at Harvard University, will deliver the first of two Dreyfus Lecture series at the University March 28 through April 1.

The lectures are supported by a Dreyfus Foundation grant to the Department of Chemistry, designated specifically for lectures by distinguished scholars. The second series of lectures will be presented May 16 through May 20 by Dr. Harry Gray of the University Institute of Technology.

Dr. Whitesides' lecture schedule is: "Organometallic Chemistry of Soluble and Surface Platinum Alkyls," March 28, 8 p.m.; "Organic Synthesis Using Enzymatic Catalysis," March 29, 8 p.m.; "Organic Polymer Surface Chemistry," March 30, 8 p.m.; "Corrosion and Catalysis: Grignard Reagents: Poisoning

of Heterogeneous Catalysts; Applications of Electrochemistry to Heterogeneous Catalytic Mechanisms," March 31, 8 p.m.; and "Opportunities for Research in Organic Chemistry," April 1, 9:35 a.m. All lectures will be in Room 55 Osmond Laboratory.

A specialist in organometallic chemistry, applied enzymology, surface chemistry, and catalysis, Dr. Whitesides joined the Harvard faculty last year. Previously, he served for nine years at the Massachusetts Institute of Technology. A Harvard alumnus, he earned his doctorate at the California Institute of Technology in 1964.

Dr. Whitesides is a member of the National Academy of Sciences and the American Academy of Arts and Sciences. He is a fellow of the American Association for the Advancement of Science.

Mueller lecture is scheduled

Sir Rudolph Peierls, one of the outstanding theoretical physicists of the modern era, will present the fifth annual E.W. Mueller Memorial Lecture at 8 p.m. April 7 in Room 117 Osmond Laboratory. The lecture, "Recollections of the Early Days of Quantum Mechanics," is sponsored by the Department of Physics and is open to the public free of charge.

Sir Rudolph was Wykeham Professor of Physics and Fellow of New College, University of Oxford, England, at his retirement in 1974. He has since held numerous visiting professorships. A pioneer in nuclear physics, statistical physics, transport problems and other areas of condensed matter physics, Sir Rudolph is the author of the classic text, *The Quantum Theory of Solids*.

During World War II, Sir Rudolph and associates drew attention to the feasibility of a nuclear bomb and its likely effects. He then worked on the theory of the bomb and of isotope separation, first in England and, after 1944, in the U.S. After the war, he participated in attempts to promote disarmament, was a founding member of the British Atomic Scientists Association, and took part in the Pugwash Conferences.

He is a fellow of the Royal Society and has been awarded its Royal Medal.

The Mueller Lectures honor the memory of the late Dr. Erwin W. Mueller, Evan Pugh professor emeritus of physics, who invented the field ion microscope which enabled him to be the first person to "see" an atom.

University Park Calendar

March 24 -
April 7
Special Events

Thursday, Mar. 24

Museum of Art Informal Talk and Brown Bag Lunch, 12:00-12:50 p.m., Museum of Art. Elizabeth Bodenstein on "A Portrait Study of Two Women."

Pi Alpha Theta History Colloquium, "Politics in the Age of the Moral Majority," 1:30 p.m., Eisenhower Chapel Lounge. HUB Eateries, Founder's Room, Special Dinner, 5-7 p.m.

Schilling seminar meeting, 6 p.m., Nittany Lion Inn. John Frantz, history, on "Religion in Colonial America: Model for the Nation." Sports: women's basketball, Eastern Regional, 7 p.m.

English Colloquium, 8 p.m., 101 Kern. J. Hillis Miller, Yale Univ., on "Parable and Apocalypse in Conrad's *Heart of Darkness*."

Friday, Mar. 25

Pass - Fall. Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. E. Willard Miller, geography, on "The Road to Number Two: Reflections on Geography at Penn State."

Theatre and Film, *A Funny Thing Happened on the Way to the Forum*, 7 and 9 p.m., HUB Assembly Room. Also March 26. Artists Series, Pennsylvania Ballet with orchestra, 8:30 p.m., Eisenhower Auditorium. Also March 26.

Saturday, Mar. 26

Pennsylvania Festival Theatre Auditions, 10 a.m.-7 p.m., Arts II Bldg.

Sports: men's track and field, Spiked Shoe Club 15K Race, 10:30 a.m.; baseball vs. Navy (MD), 1 p.m.; women's lacrosse vs. James Madison, 1 p.m.; men's lacrosse vs. Syracuse, 1:30 p.m.; women's basketball, Eastern Regional, 7:30 p.m.

Artists Series, Pennsylvania Ballet Youth Performance, 10:30 a.m., Eisenhower Auditorium.

France-Cinema, *Tachella, Cousin Cousine*, 7 and 9 p.m., 112 Kern. Also Mar. 28.

Graphic Design Film Festival, 8 p.m., Walnut Bldg. Preview, 2 p.m.

1983 History of Photography Program, featuring two musical presentations, *The Tar Has His Photograph Taken*, and *Lens and Ear*, 8:30 p.m., Music Bldg. recital hall. Also Mar. 27.

Sunday, Mar. 27

HUB Eateries, Founder's Room, Brunch, 10:30 a.m.-1:30 p.m.

Sports: baseball vs. Lafayette, 1 p.m.

Monday, Mar. 28

Pass - Fall.

Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Colin Williams, visiting Fulbright Scholar, on "Wisdom, Survival, and The Turning Screw: Welsh Culture in '80's."

Public Lecture, 8 p.m., Schwab Auditorium. Senator Mark O. Hatfield, on "Social Responsibility for Persons of Faith." Dreyfus Lecture, 8 p.m., SS Osmond. George M. Whitesides, Harvard Univ., on "Organometallic Chemistry of Soluble and Surface Platinum Alkyls."

Elizabeth Steen, pianist, recital, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Mar. 29

Pass - Fall.

Drop deadline.

Preregistration deadline Summer 1983. Summer Employment Day, 9 a.m.-4:30 p.m., HUB Ballroom.

Bach's Lunch, noon, Eisenhower Chapel. Hyun-Kyung Chae, organ recital. Public Lecture, 3:45 p.m., 305 HUB. Asuncion Lavrin, Howard Univ., on "Feminists and Feminism in 19th and 20th-Century Latin America."

Synthesis Lecture, 8 p.m., SS Osmond. George M. Whitesides, Harvard Univ., on "Organic Synthesis Using Enzymatic Catalysis."

Artists Series, Film Festival, *Belle De Jour*, 8 p.m., Schwab.

Wednesday, Mar. 30

Kern Concert, PSU Folklore Society, noon, Kern Lobby.

Outside the Mainstream Film Series, *The Infatuation of Shah Abbas*, 12:15 p.m., Zoller Gallery.

Dreyfus Lecture, 8 p.m., SS Osmond. George M. Whitesides, Harvard Univ., on "Organic Polymer Surface Chemistry."

The Golden Age of Greece Lecture Series, 8 p.m., 101 Chambers. Evelyn B. Harrison, New York Univ., on "The Images of Athens in the Sculpture of the Parthenon."

Thursday, Mar. 31

Rhonda Wright, pianist, recital, 1 p.m., Music Bldg. recital hall.

Medieval Studies Colloquium, 1:30 p.m., 124 Sparks. Armin Wolf, Max Planck Institut für europäische Rechtsgeschichte, on "The Historic Role of the Prince - Electors of the Holy Roman Empire" (with slides).

HUB Eateries, Founder's Room, Special Dinner, 5-7 p.m.

Kern Classics, *Adam's Rib*, 7 and 9 p.m., 112 Kern.

Dreyfus Lecture, 8 p.m., SS Osmond. George M. Whitesides, Harvard Univ., on "Corrosion and Catalysis: Grignard Reagents: Poisoning of Heterogeneous Catalysts; Application of Electrochemistry to Heterogeneous Catalytic Mechanisms."

Friday, Apr. 1

Sports: softball, Lady Lion Invitational, 9 a.m.; men's tennis, Penn State Triangular.

Good Friday Worship Service, noon-3 p.m., Eisenhower Chapel.

Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. Thomas Larson, PENNDOT, on "The State's Role in Transportation."

Theatre and Film, *Far From the Madding Crowd*, 7 and 9:30 p.m., HUB Assembly Room. Also April 2.

Dreyfus Lecture, 8 p.m., SS Osmond. George M. Whitesides, Harvard Univ., on "Opportunities for Research in Organic Chemistry."

Saturday, Apr. 2

Sports: softball, Lady Lion Invitational, 9 a.m.; men's track and field, Memorial Open, 12:00 p.m.; baseball vs. West Chester (OH), 1 p.m.; men's lacrosse vs. Drexel, 2 p.m.

men's tennis, Penn State Triangular.

France-Cinema, *Truffaut, The Woman Next Door*, 7 and 9 p.m., 112 Kern. Also April 4.

Sunday, Apr. 3

HUB Eateries, Founder's Room, Brunch, 10:30 a.m.-1:30 p.m.

Monday, Apr. 4

AUAW Annual Book Sale, 9 a.m.-9 p.m., HUB Ballroom. Also April 5, 6 and 7.

Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. David Ray, Univ. of Missouri, on "Prakt Love Poetry."

English/AHS Poetry Reading, 3:45 p.m., Rare Book Room. Lecture, David Ray, Kansas poet. Sports: men's volleyball vs. Japanese All-Stars, 7 p.m.

Tuesday, Apr. 5

Paul Jones, concert pianist, recital, 1 p.m., Music Bldg. recital hall.

University Senate meeting, 1:10 p.m., 112 Kern.

Classical Studies Colloquium, 3 p.m., 124 Sparks. Armin Wolf, Max Planck Institut für europäische Rechtsgeschichte (Frankfurt), on "Did Homer Have a Map? New Observations on the Geography of the *Odyssey*" (with slides).

1983 John R. Bracken Lecture, 8 p.m., Schwab. Ian McHugh, Univ. of Pennsylvania, author of *Design With Nature*.

Wednesday, Apr. 6

Kern Concert, Dick Olson, noon, Kern Lobby. Outside the Mainstream Film Series, *Anonymous Was A Woman*, 12:15 p.m., Zoller Gallery.

Playwright's Theatre, *Luna*, by David Brace, 5:30 p.m., Pavilion Theatre. Also April 7 and April 8, 5:30 p.m.

School of Music, faculty chamber music recital, featuring Dan Armstrong, percussionist, 8:30 p.m., Music Bldg. recital hall.

Thursday, Apr. 7

Sports: baseball vs. Lock Haven (DH), 1 p.m.; men's gymnastics, NCAA Championships, 7 p.m.

History Colloquium, 1:30 p.m., 124 Sparks. Armin Wolf, Max Planck Institut für europäische Rechtsgeschichte (Frankfurt), on "The Origin of the German Prince - Electors."

HUB Eateries, Founder's Room, Special Dinner, 5-7 p.m.

Kern Classics, *Groze Tube*, 7 and 9 p.m., 112 Kern.

E. W. Mueller Memorial Lecture, 8 p.m., 117 Osmond. Sir Rudolph Peierls on "Recollections of the Early Days of Quantum Mechanics."

Seminars

Thursday, Mar. 24

Ceramic Science, 11 a.m., 301 Steidle. Earl K. Graham, geophysics, on "Ceramics, Mineral Physics, and Tectonophysics: Some Problems of Mutual Interest."

Monday, Mar. 28

Physics, 3:55 p.m., S6 Osmond. C. Dover, Brookhaven National Laboratory, on "Matter-Antimatter Oscillations."

Tuesday, Mar. 29

Organic/Inorganic, 12:45 p.m., SS Osmond. German, 8 p.m., 124 Sparks. Hans Joachim Kreuter, Univ. of Regensburg, West Germany, on "Wilhelm Busch - der Schriftsteller als Hallbruder des Kunstlers."

Environmental Pollution Control, 2:20 p.m., 124 Sackett. T. Giddings, consulting hydrogeologist, on "Utilization of a Groundwater Dam for Leachate Containment."

Thursday, Mar. 31

Chemistry, 12:45 p.m., SS Osmond. F. Gordon A. Stone, Univ. of Bristol, on "Synthesis of Complexes with Heteronuclear Metal-Metal Bonds by Use of the Guidelines of Isolobal Relationships."

Physics, 3:55 p.m., SS Osmond. H.G. Robinson, Duke Univ., on Optical Heterodyne Saturation Spectroscopy - A Pedagogical Presentation."

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Philosophy, 4 p.m., 203 Willard. Thomas Seeborn, philosophy, on "The Other in the Field of Consciousness."

Friday, Apr. 1

Analytical Chemistry, 10 a.m., SS Osmond. Judith T. Hwa on "Electroanalytical Chemistry of Photopolymer IX."

Monday, Apr. 4

Ceramic Science, 2 p.m., 301 Steidle. Roy Rice, U.S. Naval Research Lab, on "Toughening Ceramics."

Slavic Languages, 2:20 p.m., 135 Willard. Saveli Senderovich, Cornell Univ., on "Russian Linguistic Etiquette."

Tuesday, Apr. 5

Organic/Inorganic Chemistry, 12:45 p.m., SS Osmond.

Environmental Pollution Control, 2:20 p.m., 124 Sackett. D.J. Epp, agricultural economics, on "Sanitary Landfills and Adjacent Land Values."

Chemical Engineering, 3:45 p.m., 140 Fenske Lab. C.W. Roberts, Air Products and Chemicals, Inc., on "Oxygen-Enriched In-Situ Combustion."

Thursday, Apr. 7

Ceramic Science, 11 a.m., 301 Steidle. Harlan Anderson, Univ. of Missouri-Rolla, on "Defect Chemistry of Transition-Metal Oxides."

Chemistry, 12:45 p.m., SS Osmond. Gideon Fraenkel, Ohio State Univ., on "Structure and Dynamic Behavior of Organophilic Compounds."

Ecology, 4 p.m., 8 Mueller Lab. H. Ronald Pulliam, SUNY-Albany, on "Feeding, Efficiency, Resource Partitioning and the Occurrence of Sparrow Species."

Exhibits

Chambers Gallery

Gallery Hours: Monday through Friday, 9 a.m.-5 p.m.; Saturday and Sunday, 1-5 p.m.

Margaret Heugs, Three Dimensional Painting, through April 1.

Paper Images II, opens April 4.

Kern Gallery

Chen Nevans, metal art, through March 28.

Heleen Erud, post and rung chairs, through March 29.

Less Rishel, wood sculpture, through March 29.

Jeff Mathison, prints and drawings, through March 30.

Art from Australia, opens April 1.

Museum of Art

Museum Hours: 11 a.m.-4:30 p.m. Closed Mondays, Tues, Sunday, 1:30 p.m.

Jerome Witkin, Paintings and Drawings: A Decade of Work, through March 27.

Selections from the Museum's Collection, opens March 27.

Pattee Library

West Pattee Gallery: Anne Mancini, photos, opens March 14.

Lending Services: Andrea Benson, prints, through March 31.

East Corridor Gallery: Prints by the Students of the Philadelphia College of Art and Design.

Zoller Gallery

Gallery Hours: Monday through Friday, 9 a.m.-5 p.m.; Saturday and Sunday, 1-5 p.m.

New Faculty Show, through March 27.

MFA Exhibitions: Phil Wolf, Sculpture; Alexandrette Lu Christopher, painting, March 30-April 6.

College of Science establishes new study center

A major center for the study of the interaction of particle beams and solid surfaces has been established in the College of Science with the aid of a three-year \$1.1 million contract from the Office of Naval Research.

Planners believe the center, to be located in Davey Laboratory on the University Park Campus, will boost Pennsylvania's effort to attract high technology industry to the State.

The facility is devoted to pursuing a better understanding of the interactions of beams of particles with surfaces and to using the newest beam technologies to make novel materials for specific needs. New "advanced" materials are a major

goal around the world, most notably in Japan. Effort at the center will focus on materials that will be important during the next five to 15 years.

The center's researchers include three Penn State scientists, Dr. Nicholas Winograd, professor of chemistry; Dr. Daniel R. Frankl, professor of physics; and Dr. Barbara Garrison, associate professor of chemistry; plus Dr. Don E. Harrison Jr., professor of physics and chemistry at the Naval Postgraduate School, Monterey, Calif.; and Dr. Ming Yu, of IBM's Watson Research Center.

One of the beam technologies to be studied at the new center is MBE or Molecular Beam Epitaxy, a process so

exquisitely fine and precise that it can be used to build materials atomic layer by atomic layer. The technique is roughly "spray painting" a surface with a beam in which the particles are single ions, atoms or molecules.

MBE can be used to make standard semiconductor devices, such as transistors, but it can also produce novel devices that would be difficult or even impossible to construct any other way. Some recent developments reported by The New York Times include tiny light-emitting lasers smaller than a grain of salt and supersensitive light detectors that can detect and amplify weak signals. Some observers believe that the technique holds

promise for revolutionizing the construction of electronic devices used in microwave and lightweight communications and in the most powerful high-speed computers.

The other beam technologies to be studied at the center include ion implantation, depth profiling by sputtering, low energy ion deposition and laser annealing. These technologies have become increasingly important in allowing the miniaturization of electronic circuits, especially those used in computers.

Dr. Winograd, the center's principal investigator, says, "Progress in particle beam technology has been greatly assisted by the advances in surface analysis techniques which help to characterize the new materials."

Faculty members get Research Initiation Grants

Twenty-three faculty members have been awarded one-year Research Initiation Grants from a fund approved by President Oswald. The program grants, ranging from \$2,900 to \$6,200, were made to encourage and support research and other creative work by new faculty.

Faculty members — at all campuses — with no more than two years of service accumulated before September 1983 were eligible for the 1983-84 RIG grants.

"These funds are awarded to support lines of research that may lead to external sponsorship," says Dr. Richard G. Cunningham, vice president for research and graduate studies.

A committee of Robert S. Brubaker, Caroline Eckhardt, A.C. Lasaga, S.J. Fonash, G.E. McClearn, Eva Pell (chairperson), and L.W. Ramsey reviewed and screened sixty-three proposals. Faculty members awarded grants and the proposal lists are:

David Brigati, assistant professor of pathology, Hershey Medical Center, rapid

diagnosis of pulmonary pathogens by nucleic acid hybridization; Richard W. Briggs, assistant professor of radiology, Hershey Medical Center, investigation of the potential of *in vivo* sodium-23 nuclear magnetic resonance imaging; Francis J. Derbyshire, associate professor of fuel science, preparation and evaluation of carbon supported catalysts; Eric D. Feigelson, assistant professor of astronomy, studies on the relationship between x-ray and radio emission in active galaxies; Terry T. Foch, assistant professor of human development — individual and family studies, human alcohol consumption: a control system approach.

Richard J. Frisque, assistant professor of microbiology, *in vitro* construction of recombinant viruses: analysis of a human tumor virus; Steven G. Krantz, associate professor of mathematics, complex fourier analysis; Daniel T. Lichter, assistant professor of sociology, Black and white population deconcentration in the United

States: 1950-80; Mary D. Menachery, assistant professor of chemistry, Altona, synthesis of telitoxine and tridiline; Jonathan Philips, assistant professor of chemical engineering, chemical etching of platinum; Bee-Yan Roberts, assistant professor of economics, construction of aggregate price indexes for U.S. Imports and exports.

Wade Saunders, assistant professor of art, the construction of a large-scale cast and fabricated sculpture in the University studios; Sibyl Lutz Severance, assistant professor of English, Delaware, manuscripts relating to religious poetic sequences of renaissance England; David Shalloway, assistant professor of molecular biology, theoretical determination of protein tertiary structure; J. Scott Smith, assistant professor of food science, true values of nitrite in complex food systems; Evelyn A. Thumchick, assistant professor of business logistics, an analysis of the logistics function in export trading companies; Ken Tomiyama,

assistant professor of electrical engineering, numerical analysis of biconical receiving antenna.

Andrea Manni, assistant professor of medicine, Hershey Medical Center, hormone priming to potentiate chemotherapy: a new strategy for breast and prostate cancer treatment; John Spencer Trent, assistant professor of polymer science, electron microscopy studies of polymer blends; William Urichio, assistant professor of film, realism and the German cinema; die Neue Sachlichkeit, 1925-1933; David J. Wall, assistant professor of civil engineering, use of synthetic hydrologic data to improve estimates of flood flow and frequency; Elizabeth J. Walters, instructor in art history, attic grave reliefs of Roman date, late first and early second centuries, A.D.; Savash Yavuzkurt, assistant professor of mechanical engineering, hot-wire anemometry: a new method for the measurement of high-frequency turbulent temperature fluctuations.

Alumni Fellows Benefield, Waltemeyer to visit

Richard A. Benefield, general manager of the Hotel Magee in Bloomsburg, and Robert V. Waltemeyer of Atlanta, senior vice president and manager of the Corporate Technical Division of the Coca-Cola Company, will come to the University Park Campus as the first of nine Alumni Fellows who will visit during 1983.

The Alumni Fellows program, sponsored by the Penn State Alumni Association, is designed to promote closer ties between prominent alumni and the University community.

Mr. Benefield will be on campus Sunday, March 27, through Wednesday, March 30. He was nominated for the award through the College of Human Development, from which he received his bachelor's degree in hotel administration in 1948.

Mr. Benefield, who has held his post at the Hotel Magee since 1954, is also vice president of operations for M.I.E. Hospitality, Inc., which owns and operates Arthur Treacher's Fish and Chips restaurants. He also is president of Magee Foods Systems.

He has been very active in restaurant and lodging industry groups, serving three terms as president of the Pennsylvania Hotel-Motor Inn Association. He is a founder, past president and long-time director of the Penn State Hotel and Restaurant Association. In addition, he has been a member of the American Hotel and Motel Association's Governmental Affairs Committee and served three years as chairman of the group's Smaller Hotels Committee.

He has received the following citations: The Distinguished Alumnus of the Year Award, Penn State Hotel, Restaurant and Institution Administration Department, 1973; Pennsylvania Legislature citation for work in the hospitality field promoting the Commonwealth, 1974; Alumni Recognition Award, College of Human Development, 1975; Hospitality Executive of the Year, Penn State Hotel and Restaurant Society, 1980.

Mr. Waltemeyer, who received a bachelor's degree in chemical engineering in 1956, will be at University Park Monday, April 4, through Wednesday, April 6, as the Alumni Fellow from the College of Engineering.

A native of York, Mr. Waltemeyer, who joined the Coca-Cola Company in 1968, has distinguished himself both as an engineer and as a corporate manager. As senior vice president, he is responsible for maintaining the quality of the company's current products and for assuring the

company's leadership in the world marketplace through on-going research and development.

Mr. Waltemeyer manages the organizational units responsible for Engineering and Packaging, External Technical Affairs, Flavor Manufacturing Operations, Production Services, Quality Assurance and Science. Prior to joining Coca-Cola, he worked from 1957 to 1968 for Standard Oil of New Jersey. He was in project management at the company's headquarters in New York City and in refinery operations in Bombay, India, and Port Dickson, Malaysia.

Mr. Waltemeyer received his master's degree degree, also in chemical engineering, from Northwestern University in 1958. He is a member of the American Institute of Chemical Engineers, the American Management Association, the National Society of Professional Engineers and the Georgia Society of Professional Engineers.



Richard A. Benefield



Robert V. Waltemeyer

Obituaries

Dr. Kinsley Richard Smith, professor emeritus of psychology, died March 15 at the age of 76.

Dr. Smith, who retired Oct. 1, 1969, after 33 years service, was one of the first instructors to teach a class on closed-circuit television. He received the University's first Superior Teaching Award in 1958.

A graduate of the University of Pennsylvania, he received his master's degree and Ph.D. in psychology from the University of Pennsylvania. He joined the Penn State faculty in 1936 as assistant professor. He was promoted to associate professor in 1944 and to professor in 1946. From 1945-46, he directed a Veterans Administration Clinic at Penn State for counseling and guiding veterans in career choices. From 1946 to 1950, he planned and taught various labor institute summer schools, working with the United Steel Workers and other labor unions.

The author of numerous publications, he did research in selection and training for more than twelve industrial concerns. Dr. Smith was a member of the

American Association of University Professors, American Psychological Association, the Eastern Psychological Association, Pennsylvania Psychological Association, Sigma Xi, Psi Chi. He served on the board of governors of the American Association for Applied Psychology in 1940 and 1941.

Charles A. "Rip" Engle, whose coaching brought the University's football team to national prominence, died March 7 at the age of 76.

Mr. Engle, who was head football coach at Penn State from 1950 to 1966, compiled a record of 104 victories, 48 defeats and four ties. His overall collegiate record, including six seasons at Brown University, was 132-67-8.

"Rip Engle was a giant in Penn State lore and he will always be a part of our heritage," President Oswald said. "I never failed to be impressed by his integrity, his kindness and his modesty. My own life has been enriched by having known Rip Engle."

In 1970, Mr. Engle, a native of Salisbury, Somerset County, received the Amos Alonzo Stagg Award, presented

annually by the American College Football Coaches Association in recognition of outstanding services to the advancement of the best interests of football. In 1974, he was inducted into the National Football Foundation's College Football Hall of Fame.

Mr. Engle had a long-time association with the annual East-West Shrine game in San Francisco, and for many years was head of the East selection committee for that game.

Jean M. Tuck, nutrition aide in the Expanded Food Nutrition Education Program in Agriculture since July 1, 1977, died March 10 at the age of 51.

Arthur W. Einstein, associate professor of marketing and retailing from Sept. 1, 1950, until his retirement July 1, 1958, died March 3. He was 87.

Clair V. Walters, maintenance worker in Physical Plant from Jan. 16, 1967, until his retirement Aug. 1, 1979, died March 2 at the age of 63.

Carpooler

Person to ride and share the driving from Tyrone to State College. Work on campus from 8 a.m. to 5 p.m. Call Jerry Gearhart at 865-6556 or 684-5310 after 6 p.m.

Search committee will be appointed

President Oswald will be appointing an Advisory Search Committee to assist him in identifying candidates for the position of director at the Altoona Campus.

The Advisory Search Committee will identify those candidates who can provide the ablest possible academic leadership and competent administration of the Altoona Campus. Candidates must have an earned doctorate, several years' experience in college and/or university teaching, and responsible and substantial experience in academic administration. Applications and letters of nomination should be directed to Dr. Robert J. Scannell, Room 111 Old Main, University Park, PA 16802 by April 13.

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William E. Campbell, Jr., Editor
Deborah A. Benedetti, Assistant Editor
Calendar Editor — 865-2501

Partings

J. Kenneth Stover, lead carpenter in the Office of Physical Plant, retired March 17 after 34 years of service.

There have been a lot of changes, he said, since he began working in 1948. During the years, he worked on many projects, including the opening of Whitmore Laboratory.

Mr. Stover will continue to live in Warriors Mark, with his wife and family.

"I had a lot of learning experiences and made a lot of friends," said Helen J. Cox, who retired March 1 after 20 years of service as a clerk in the College of the Liberal Arts.

Mrs. Cox, who lives in State College, plans to do some traveling, hoping to visit her grandson in Texas. She has two children; one who lives in Fort Worth, Texas, another living in Lewistown.

She also says he'll spend some time knitting, reading and fishing.

John H. Stoner, a truck driver and janitorial employee in the Office of Physical Plant, retired March 1 after 35 years of service. Mr. Stoner, who delivered various supplies around campus for 29 years, will continue to live in Spring Mills.

Born in Tusseyville, Mr. Stoner began work at the University in 1948, and worked in the HUB immediately after it opened. "I suppose I will miss working," he said. "My plans for the future are still up in the air."

Mr. Stoner is the father of 12 children, two of whom still live in their Spring Mills home.

Wade H. Harpster, who describes Penn State as a "good place to work," retired Feb. 26 after 28 years of service.

Mr. Harpster, who lives in Port Matilda,

began work in 1954 as a greenskeeper on the golf course. He then worked as a floor mechanic for 16 years. For the last 12 years, he has been an electronics technician working in the Sparks and Human Development buildings.

He has worked with tape decks, television cameras and other audio-visual material for the University's Listening and Learning Centers. He said he enjoyed meeting all the different people at work, and "liked working with professors and students."

Mr. Harpster describes himself as a "jack of all trades" and for the future he plans to keep working at various jobs. He also hopes to do some traveling.

Mr. Harpster, a Bellefonte native, says he expects to stay in the area, living at home with his wife and three children.

Leslie J. Catlin, maintenance mechanic, Behrend Campus, from Oct. 24, 1972, to March 14.

Elizabeth Bucy, residence hall worker, McKeesport Campus, from Feb. 13, 1973, to March 1.

Dr. Leonard M. Edwards, associate professor of chemistry, Ogontz Campus, from Sept. 21, 1970, to March 1.

Robert Randall, nutrition assistant, Agriculture, from May 1, 1972, to March 1.

Karen B. Ganter, assistant director federal and state programs, Student Administrative Services, from Feb. 23, 1972, to Jan. 22.

Dorothy Berman, secretary, Capitol Campus, from May 1, 1967, to Jan. 18.

Carole F. Vidali, associate librarian - affiliate assistant professor of music, Library, from Sept. 8, 1969, to Dec. 13.

Promotions

Faculty

James W. Dean Jr. to assistant professor of organizational behavior in the College of Business Administration.

Ellen A. Knott to assistant professor of English in the College of Liberal Arts at Ogontz.

Staff Exempt

Rea A. Knepp to senior system developer in Intercollege Research Programs.

John A. Lucas to coordinator of facilities in Agriculture.

Fred E. McMullin to financial officer in Controller's Office.

Anne K. Minshall to administrative coordinator in University Libraries.

Donna C. Nicely to administrative aide in Engineering.

Staff Non-Exempt

Linda J. Moore to computer tomography radiological technologist at Hershey.

Clerical

Maria Baylerts to scheduling clerk in Physical Plant.

Edith Fenstermacher to secretary B at

Schuykill.

Susan Girardi to secretary B in

Engineering.

Susan A. Leitzell to secretary A in

Engineering.

R. Kay Moore to receptionist, typist in

Agriculture.

Adele D. Poholsky to clerk, typist A at

Worthington Scranton.

Technical Service

David I. Hanson to parcel carrier in Business Services.

John S. Harwick to animal care technician at Hershey.

Carpoolers

John Uhrin is looking for a rider who needs transportation from the Altoona-Bellwood area to the University. He works 7:30 a.m. to 4:30 p.m., Monday through Friday and can be reached at 863-3514.

Duane Stiner needs one or two drivers, to join an existing carpool, to drive every fourth or fifth week from Houtzdale to the University. He works the 8 a.m. to 4:30 p.m. shift at South Frear and can be reached at either 865-4651 or 378-5391.

Appointments

Dr. George J. Bugyi, assistant professor of physical education at the Mont Alto Campus, has been named executive secretary of the University Faculty Senate.

His appointment, effective July 1, was announced by Provost Eddy. Dr. Bugyi succeeds Oscar C. Barkman, executive secretary of the Faculty Senate from 1972 until his death last year.

"Dr. Bugyi was unanimously recommended by the search committee," Dr. Eddy said. "In particular, his Commonwealth Campus experience will add an important dimension to this position since he will be in regular and direct contact with faculty and staff members at all Penn State Campuses."

A member of the University Faculty Senate since 1979, Dr. Bugyi currently serves on its Academic and Athletic Standards Committee. He is also a member of the Campus Appeals Board at Mont Alto and the promotion and tenure committees of his department and the campus.

He serves as athletic trainer and soccer coach at Mont Alto, in addition to his teaching and research. He introduced varsity soccer to the campus, and also has assisted in coaching basketball and wrestling. An expert on emergency first aid and, in particular, cardiopulmonary resuscitation, he often gives presentations on those topics to civic and campus groups.

He has been active in American Red Cross programs, and is chairman of the Red Cross's Chesapeake Division Council. Dr. Bugyi serves on the advisory board for the Eastern Fields Office and on the national committee for resolutions of the Red Cross. He is active in the Emergency Health Services Federation and is an instructor/trainer for EMTs (emergency medical technicians).

Dr. Bugyi holds a bachelor's degree, master's degree and doctorate from the University of Maryland, all in physical education. As a student, he specialized in the area of exercise physiology.

He has introduced several new courses at Mont Alto, including ones in hunter safety, riflery, judo and European

handball. For the riflery course, he designed and laid out a firing range for the campus.

Dr. Robert G. Jenkins, associate professor of fuel science, has been appointed chairman of the Fuel Science Program in the Department of Materials Science and Engineering.

He succeeds Dr. Philip L. Walker, Jr., Evan Pugh Professor emeritus of Materials Science, who retired in January.

Dr. Jenkins received both his B.Sc. and Ph.D. in fuel science at the University of Leeds in England. He first joined the Penn State staff as a research associate in fuel science in 1970, continuing until 1973 when he returned to England as a research assistant in physical chemistry at the Imperial College of Science and Technology of London.

In 1975, he returned to Penn State as senior research associate in fuel science and was named to the faculty as assistant professor of fuel science and acting director of the Fuels and Combustion Laboratory in 1978. He served as director of the laboratory in 1981-82. His research

interests are in coal characterization, coal conversion chemistry, small-angle X-ray scattering, and zeolite chemistry.

Robert A. Patterson, vice president-investments, treasurer and senior vice president emeritus, has been appointed affiliate professor of transportation in the Department of Business Logistics of the College of Business Administration.

Mr. Patterson has been with the University since 1968 when he was named vice president for finance and treasurer. In 1971, he became senior vice president for finance and operations as well as treasurer.

Prior to coming to the University, Mr. Patterson enjoyed a long career in the transport industry. He was secretary and treasurer of the Long Island Railroad for six years and served the firm for 13 years before that as director of research and assistant to the president.

Last year, Mr. Patterson was appointed by Governor Thornburgh to a nine-member commission created to study the development of high speed intercity rail passenger service.

Penn Staters

Dr. Robert D. Arbuckle, director of the New Kensington Campus, was a principal speaker at the annual meeting of the Pennsylvania Chamber of Commerce executives. His main themes were the system-wide services available through the University to assist Chamber executives in the performance of their duties.

John Balaban, professor of English, has been named as one of three judges for the Richard Wilbur Poetry Prize of the University of Missouri Press.

Dr. Anthony Cutler, professor of art history, presented a series of lectures at Dumbarton Oaks Museum in Washington, D.C. in conjunction with a series of events entitled "The Splendor of Byzantium."

Dr. James E. Diamond, assistant professor of agricultural and extension

education, has been appointed special consultant in teaching and teaching methodology for the South-East Consortium for International Development and the United States Agency for International Development Agricultural Officers' Training Project in Mali. He presented a series of seminars and workshops on teaching and instructional materials development at the annual faculty conference of the Centre D'Apprentissage Agricole in Same, Mali.

Dr. Paul S. Dimick, professor of food science, presented a paper at a symposium on the "Role of Milk Proteins in Human Nutrition" in Kiel, West Germany. The paper, "Photo-oxidative Changes in Milk Proteins and Amino Acids," concentrated on the reactions between protein and riboflavin and between amino acids

and riboflavin when introduced to visible and ultraviolet light as an energy source.

Dr. Richard L. Frautschi, head of the French Department, was a plenary speaker at the Conference on Applied Language at Oklahoma State University. The title of his paper was "Some Aquarian Objectives in Applied Language Research."

Walter Haik, instructor of art, is exhibiting his work in "American Realism, 1930s to 1980s" at the Summit Art Center in Summit, N.J.

Dr. Kant Rao, assistant professor of business logistics and deputy director of the Pennsylvania Transportation Institute, presented two lectures at the Indian Institute of Technology in Kanpur, India. The first, entitled "Funding Highway Investments:

Theory versus Practice," was presented before the Civil Engineering and Economic Group at IIT. The second, "Logistical Decision Support Systems: A Competitive Edge," was presented before the Management and Operation Group.

Two faculty members affiliated with the Institute for Research on Land and Water Resources presented papers at Aqua Expo '83, an international conference on water and sludge problems, in Acapulco, Mexico. Dr. William E. Sopper, professor of forest hydrology, presented a paper on "Mined Land Reclamation with Municipal Sludge - Pennsylvania Program," and Dr. Eileen M. Seaker, research associate, presented a paper on "Implementation of the Philadelphia Strip-Mine Reclamation Program."

Advanced Technology Center proposal is approved

The University's proposal to establish the Advanced Technology Center of Central and Northern Pennsylvania has been approved by the Ben Franklin Partnership Board.

The approval, which carries \$250,000 for the first six months of operation, makes the Penn State proposal one of four which have been approved to implement the program. A proposal submitted by the University of Pittsburgh and Carnegie Mellon University, and one from Lehigh University, were approved two weeks ago. One submitted by the University City Science Center, a consortium of Philadelphia institutions, was approved last week, along with Penn State's.

The University's approval is conditional

upon satisfactorily meeting six conditions stipulated by the Board. These conditions, essentially, are requests for more detailed information in a number of areas in which the proposal did not offer details.

"These conditions are all readily acceptable. For the most part, they involve actions and decisions which were planned as our earliest priorities once the proposal was accepted," President Oswald said.

The one condition which could not be classified as a request for more detailed information dealt with satellite advanced technology center proposals for the Harrisburg/York area and the Erie area. "Penn State is in special agreement with the condition that at least 20 percent of the grant be reserved for the two

satellites," Dr. Oswald said. "Indeed, our plans for year two and beyond significantly exceed this stipulation."

In his comments, Dr. Oswald commended Governor Dick Thornburgh and the Ben Franklin Board for implementing the four different advanced technology centers that cover Pennsylvania. For Penn State, he noted, it represents an opportunity to accelerate many of the service programs that are fundamental to the University's mission and to make them even more responsive to the needs of the Commonwealth.

Penn State has been active in all three of the key areas of the Ben Franklin program, he added. The program is geared toward providing additional jobs

for Pennsylvanians, especially in new fields of advanced technology.

The three areas emphasized are the advancement of joint industry/university research, entrepreneurial activities that will assist new industry and the expansion of existing industry, and the development of highly specific scientific and technological training programs for the personnel the industries will need.

Although the Advanced Technology Center for Central and Northern Pennsylvania will be based at Penn State, it will involve an extensive regional consortium of higher education, industry, business, banking, government and economic development groups.

News in Brief

Retail meat sales resume

Retail meat sales resume Friday, March 25, and will continue every Friday from 1:30 to 4 p.m. at the Meats Laboratory located near Beaver Stadium.

The meat is from the University herds and is slaughtered and cut by students in the Animal Industry and Food Science classes.

The store carries all the retail cuts of beef, pork, and lamb which includes steaks, chops, hamburger, and sausage. Customers should be at the Meats Laboratory at or before 1:30 p.m. at which time they will draw a number for service.

Drama classes being offered

Two drama classes for children are being offered by the Department of Theatre and Film in the dance studio of the Pavilion Theatre during Spring Term.

The classes will be held every Monday and Wednesday, beginning Monday, April 4, for a period of seven weeks. The first class, for children who are attending morning kindergarten, will be held from 2:30 to 3:15 p.m. The second class for children in the 5th and 6th grades will be held from 3:45 to 4:45 p.m.

The classes are a part of the program

for university students training to be creative drama leaders. The course will emphasize creative activities, development of the imagination and exploration of the senses.

Parents may enroll their children by calling 865-7586. There is no charge for the laboratory course, but enrollment is limited. The course will be taught by Dr. Helen Manfull, coordinator of children's theatre and creative drama for the Department of Theatre and Film.

New booklist due date

The Penn State Bookstore has announced that because of the semester change booklist due dates must be altered. The new date for the fall semester booklist due at the Penn State Bookstore is May 1.

The procedure and format for sending four copies of the booklist to the Penn State Bookstore will continue. The bookstore would appreciate inclusion of instructors' names with the courses they are teaching.

Faculty members are reminded that a booklist must be submitted even if a text will not be required for the course. Also, any packets or manuals that will be supplied by the department must be handled exclusively through the Penn

State Bookstore and should be listed on the booklist.

Any questions or inquiries should be directed to Norm Brown at the Penn State Bookstore, 863-3291.

AAUW booksale scheduled

The HUB Ballroom will be the setting of this year's book sale sponsored by the American Association of University Women (AAUW). This is the first time that the sale, now in its 22nd year, has been held on the University Park Campus. It will open Monday, April 4, and run from 9 a.m. to 9 p.m. through Thursday, April 7.

More than 50,000 books will be on sale, along with sheet music, records, maps and patterns. All proceeds from the sale are used to support AAUW Educational Foundation Programs and local educational projects.

Customers can browse among a selection of hard-cover books divided into the following categories: arts, biography, children's, commerce and business, communication skills, education, family living, fiction, foreign languages, history, life sciences, literature, mystery and science fiction, philosophy and religion, political and social sciences, reference, science and engineering, and travel. A special table will be set up for collectors, and a wide range of paperback titles will be on hand.

Any books that remain by

Wednesday will be sold at half price, and on Thursday, books will be supplied, and customers can fill them with books at a cost of \$2.00 a bag.

Summer Employment Day

Summer Employment Day, sponsored by the Student Employment Office of the Office of Student Aid, will be held from 9 a.m. to 4:30 p.m. Tuesday, March 29, in the Hetzel Union Building ballroom.

More than 50 employers representing summer camps and other recreational facilities will be available to interview prospective students for summer work opportunities in 11 states. Information and applications also will be available from some 100 other employers who are unable to attend.

Faculty and staff members are encouraged to inform students of this opportunity to explore summer employment.

Canadian Studies meeting

The Middle Atlantic Conference for Canadian Studies, founded at University Park in 1981, will hold its second annual meeting in Washington, D.C., April 8-9. The theme of this year's meeting will be "Canada in the United States." Funds are available to help defray expenses incurred by participants. Interested individuals may contact Professor Gerald J. Braut, Department of French, 316 Burrows Bldg.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., March 31, 1983. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PSE-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

● **Assistant Director of Nursing Services, College of Medicine, Elizabethtown Hospital** — Responsible for the implementation of programs, accountability and supervision over nursing services at the hospital, including the pharmacy and the professional and nonprofessional nursing staff. Master's degree in nursing administration or related field (or equivalent) plus three to four years effective experience within a hospital setting. Current licensure as a registered nurse by the Pennsylvania Board of Nurse Examiners.

● **Assistant to the Dean of University Relations, College of Human Development, University Park** — Responsible to the dean of the College of Human Development and to the director of Public Information and Relations for assisting in planning, developing and implementing University relations programs for the College. Responsibilities include assisting in developing proposals for private support of

students, writing and programs, coordinating fund-raising efforts with Office of Gifts and Endowments, and writing and editing news releases, feature stories and articles. Bachelor's degree or equivalent in journalism, English or related field plus two-to-three years experience. Newspaper, wire service or public relations experience preferred.

● **Program Assistant, Commonwealth Educational System, Ogontz Campus** — Provides assistance to the assistant director in planning, implementing and conducting the continuing education program of the campus service area; responsible for supervising office procedures, exercising fiscal controls and maintaining related records. Bachelor's degree (or equivalent) plus one to two years of effective experience in performing administrative and supervisory tasks preferably related to conducting Continuing Education programs. FIXED TERM POSITION FUNDED THROUGH JUNE 30, 1984 WITH POSSIBILITY OF REFUNDING.

● **Master Terminal Operator, Management Services, University Park** — Use all operator commands for VTAM, IMSDC, ROSCOE, and CICS. Maintain a working knowledge of the tele processing network utilized by Management Services. Operate computer, learn new systems and operating techniques as required. Maintain a working knowledge of terminal devices used and assist in determining software from hardware problems. Assist users in determining problem. Use tele-processing recovery utility procedures for the operation and backup of data bases. Associate degree or equivalent with organized outside training in basic computer systems, plus two to four years of effective experience in computer operation.

● **Administrative Assistant, Penn State Bookstore, University Park** — Responsible for developing, recommending and implementing

procedures to improve merchandise turnover of book departments. Train personnel in assigned book sales areas, assist in implementation of FDP management system. Assist personnel representative in all duties. Provide to director detailed statistical analyses related to all areas of Bookstore System operation. Bachelor's degree (or equivalent) in marketing or related field and from one to two years of effective administrative experience in related tradebook sales operations. Experience in automated inventory and related operations preferred.

● **Contracts and Proposals Specialist, Vice-President for Research and Graduate Studies, University Park** — Responsible to the associate director for meeting the requirements of the University and the various Federal agencies with respect to the negotiation of contracts, subcontracts, and grants and to assist with proposals, analyses, reviews, and

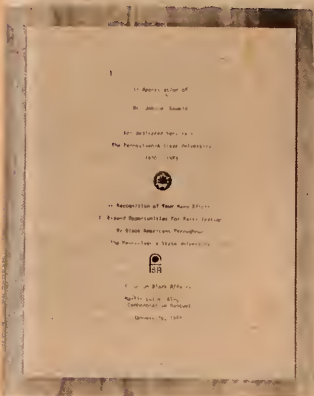
recommendations as to acceptance of contracts and grants with the various Federal agencies and non-federal organizations. Negotiate prime contracts, agreements, sub-contracts, and grants involving research, instruction, continuing education programs with the Federal and State Government, and others. As required, assist with the preparation of proposals; analyze and review them with the faculty in the colleges and departments for conformity with University policies and with the proposal requirements of prospective sponsors. Bachelor's degree or equivalent in business with prospective sponsors. Bachelor's degree or equivalent in business with some accounting training plus at least four years of effective experience. Familiarity with University and governmental contract/grant requirements and accounting procedures and policies desirable but not required.

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President Oswald cited by The Forum on Black Affairs

The Forum on Black Affairs has honored President Oswald for his efforts on behalf of Black students and faculty and staff members.

Officers of the Forum recently presented Dr. Oswald with a plaque in recognition of his "dedicated service to Penn State 1970-1983" and for his "many efforts to expand opportunities for participation by Black Americans throughout The Pennsylvania State University."

The Forum is an organization of Black faculty and staff members and graduate students. Its members work to ensure that all Blacks participate fully in, and benefit from, programs and opportunities at the University.

Dr. Oswald was cited for his achievements in support of Blacks on campus at the Forum's annual Martin Luther King Jr. Commemorative Banquet, held in January. Because of another commitment, however, he was unable to attend.

Among the programs cited by the Forum officers: The

Black Studies Program, through which students combine Black studies with majors in other fields; the Black Scholars Program, through which scholarships are granted to high-achieving Black students; and the Educational Opportunity Program, which is not limited to Black students but those who need financial help and special admission consideration.

An offshoot of the Educational Opportunity Program is the Developmental Year Program, established in 1974. It gives students, many of whom come from minority groups, a year of coaching for college. DY participants are students with the ability to make it in college but who lack basic skills.

The Forum officers also noted that the Paul Robeson Cultural Center, and community centers, which assist in recruiting minority students from Pittsburgh and Philadelphia, have been established under Dr. Oswald's leadership.

Advanced Technology Center gets interim management team

Appointment of an interim management team for the University's new Advanced Technology Center has been announced by President Oswald.

Penn State and affiliated institutions have proposed a broad range of economic development activities through the Center as part of Pennsylvania's Ben Franklin Partnership.

To move the program forward, Dr. Oswald said, the University chose staff members who have been involved in shaping Penn State's role in fulfilling Ben Franklin goals.

"Their knowledge of the Ben Franklin program, along with their staff positions and career backgrounds, gives us a superbly qualified team to lead toward accomplishing the key Ben Franklin mission — preserving and creating jobs for Pennsylvanians," he said.

Dr. John L. Leathers, assistant to the vice president and dean of the Commonwealth Educational System, will serve as executive director of the Center. Paul W. Houck, information coordinator for the Pennsylvania Technical Assistance Program (PENNTAP), will be program director of the Entrepreneurial Assistance Center.

James W. Lundy, director of the Office of Industrial Research and Innovation, will be program director for research activities. Dr. Robert F. Nicely Jr., associate professor of education and coordinator of continuing education and commonwealth relations in the College of Education, will be program director for scientific education and technology training.

Dr. Kathryn L. Towns, associate dean for research, graduate studies and

(Continued on page 3)



Taking part in presentation of a plaque from the Forum on Black Affairs to President Oswald are, from left, Dr. Howard R. Hall, vice president of the Forum; Ann Shields, chairperson of the Forum's Womens and Membership Committee; President Oswald; Dr. James B. Stewart, president of the Forum; Marjorie A. Belton, secretary, and W. Terrell Jones, chairperson of the University/Community Relations Committee.

Cross named to National Academy of Engineering

Dr. L. Eric Cross, professor of electrical engineering and associate director of the Materials Research Laboratory, has been named to the National Academy of Engineering, one of the highest honors that can be awarded to scholars in the engineering sciences. In all, there are just

over 1,000 members of the Academy of Engineers in the United States and some 100 foreign associates.

An expert on dielectric materials, Dr. Cross has, in association with Dr. J.V. Biggers at MRL, organized the new NSF-ONR sponsored National Center for Dielectric Studies at Penn State. This center couples and focuses the work on electronic ceramics in six major universities, and draws support from 15 companies who are producers and users of dielectric components.

"Dr. Cross is an excellent model of a scientist serving the national needs," Dr. Rustum Roy, director of the Materials Research Laboratory, said. "Because of his international reputation, doctoral and post graduate students from around the world come to Penn State. This honor is a recognition of his outstanding work of the past 20 years in science and high technology areas."

Dr. Cross was one of three Penn State faculty members chosen to receive the Faculty Scholar Medal for 1982. The medals recognize scholarly or creative achievement through a single piece of

work or a series of contributions on one theme.

He is a Fellow of the American Institute of Physics and the American Ceramic Society. He serves on the editorial boards of two journals, Ferroelectrics and the Journal of Materials Science.

Under his guidance, Penn State has become a leader in research on ferroelectrics and related materials. Ferroelectrics are non-conducting materials that are critical to many modern technologies, among them high-speed computers, underwater acoustic detection and signal devices and acoustic-based medical scanners.

Dr. Cross has been a major force in the development of the first industrially practical electrostrictive devices.

This spring, he will be an invited speaker at the annual meeting of the American Ceramics Society and a guest of the Chinese Academy of Science in Peking, Nanking, Shanghai and Canton. He also will attend the first National Science Foundation sponsored U.S.-China Seminar on Ceramics and will be an invited speaker at an international

symposium on applications of ferroelectrics ISAF 83 in Washington, DC.

Next fall, he will be a guest of the Soviet Academy of Science in Leningrad and Moscow, and will present invited papers at several national meetings.

A native of Leeds, England, Dr. Cross joined the Penn State faculty in 1961. He had previously served on the faculty of Leeds University in England. His bachelor's degree with honors in physics and doctorate in ferroelectricity, were conferred by Leeds University.

Dr. Cross has been chairman of a series of conferences on ferroelectrics materials including one — the Fifth International Meeting on Ferroelectrics — hosted by Penn State in August, 1981.



Dr. L. Eric Cross

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Antique scoop, mules to break ground for Ag Arena

An unusual groundbreaking for a new multipurpose agricultural arena will take place at 4 p.m. Friday, April 15, at the University Park Campus.

President Oswald, a long-time supporter of the Agricultural Arena project, will preside over the groundbreaking ceremonies. A plant pathologist, Dr. Oswald is widely known for his agricultural research.

To symbolize Penn State's role in early Pennsylvania agriculture, ground will be broken for the new building by an antique ground scoop, pulled by a team of mules. The mules will represent the teams that dragged stone from where it was quarried on campus to the construction site of the original Old Main building.

"The Agricultural Arena will be used for many student instructional activities in the

College of Agriculture, including the annual horticulture show and a variety of animal shows," Dr. Samuel H. Smith, dean of the College of Agriculture, said.

"The use of animals and the antique scoop at the groundbreaking will symbolize the rich agricultural heritage of Penn State and the Commonwealth. Penn State long has needed this facility, and now that need will be met through the generosity of many people. I'm very proud that all of the funds for the Arena have come from private donations."

The total cost of the Ag Arena will be over \$900,000. To date, \$685,000 has been raised. An 18-member Ag Arena Campaign Committee of alumni and friends of the University has carried out the fund-raising effort. University Trustee Obie Snyder of Imler has chaired the fund-raising campaign.

Construction will begin this month with completion expected by April of 1984, according to Dean Smith.

"This facility is needed to provide a central location for activities that are now scattered throughout the campus," he said. "Students will benefit immensely from this project."

"The campaign to raise the funds has attracted the support of alumni, faculty and staff members, students, agri-business

leaders and other friends throughout the Commonwealth and beyond."

The raising of nearly a million dollars in private funds is a "tremendous undertaking requiring a unique combination of support from many sectors," Dean Smith added. "The Ag Arena will represent the efforts and contributions of thousands of people dedicated to Pennsylvania agriculture and Penn State programs."

The building will have an earthen floor, measure about 110 by 200 feet and accommodate about 600 people. Various student groups and the general agricultural community will be able to use the Ag Arena. Dances, banquets and exhibits will be held in the building.

The groundbreaking will take place at the site of the Arena next to the Pennsylvania Department of Agriculture's Meat Animal Evaluation Center across from Beaver Stadium on Fox Hollow Road.

In addition to Dr. Oswald and Dean Smith, those participating in the groundbreaking ceremonies will include Penrose Hollowell, Pennsylvania Secretary of Agriculture and a Penn State Trustee; Trustees Walter Conti and Lawrence Foster; and Glyn Boone, president of the Agriculture Student Council.



Artist's conception of new Ag Arena

Second group of Alumni Fellows to visit in April

Charles J. Dillman, head of the Department of Biomechanics and Computer Services, Sports Medicine Division, U.S. Olympic Complex, Colorado Springs; Emmett L. Wright, director of the Science Teaching Center and associate professor at the University of Maryland, and Donald Hilderbrandt, senior principal and founder, Land Design/Research Inc., Columbia, Md., will come to the University Park Campus in mid-April as Alumni Fellows.

They are the second group of the nine Alumni Fellows who will visit during 1983. The program, sponsored by the Alumni Association, was initiated in 1973 to promote closer ties between prominent alumni and the University community.

Dr. Dillman will be on campus Sunday, April 17, through Wednesday, April 20, in the College of Health, Physical Education and Recreation, from which he received his master's degree (1966) and doctorate

(1970) in biomechanics.

A native of Bayonne, New Jersey, Dr. Dillman became involved with the U.S. Ski Team in 1977 as a volunteer sport biomechanist. In 1979, he was appointed director of sports medicine for the team on a half-time basis. The success of the sports medicine program under his direction has been cited as a major factor in the recent outstanding achievements of the American skiers in international competition.

During this period, Dr. Dillman also served in faculty posts at the University of Illinois, the University of Delaware and Penn State. In 1981, he was chosen to head the Biomechanics Research Program at the U.S. Olympic Training Center.

Dr. Wright, who received his doctorate in science education and biology from the College of Education in 1974, will be on campus Wednesday, April 20, through Friday, April 22.

He has held his faculty post in the University of Maryland's Department of Agricultural and Extension Education and Department of Secondary Education since 1974. In addition, he is director of both the Science Teaching Center and the Chesapeake Bay Environmental Education Project.

Last year, he was named Distinguished Scholar-Teacher at the University of Maryland for 1982-83 and Distinguished Scholar in the Division of Human and Community Resources at the University of Maryland for 1982-83. He was also selected for two Visiting Research Scholar appointments during 1981, one at the University of Georgia and another at the University of Amsterdam.

Mr. Hilderbrandt, a 1961 graduate of the College of Arts and Architecture with a bachelor's degree in landscape architecture, will visit the campus

Wednesday, April 20, through Saturday, April 23.

A co-founder of Land Design/Research, Inc. in 1971 and its current president, Mr. Hilderbrandt directs much of the firm's urban planning and design work. Accounts have included the exterior and interior public use areas of two 1,000 room Hyatt Regency Hotels and several office buildings of the Illinois Center in downtown Chicago.

In addition, he has directed urban revitalization design work for the Pennsylvania Avenue redevelopment in Washington, D.C. and other major downtown areas. He has also created numerous planned communities nationwide and major resort and recreation projects.

A limited exhibition of Mr. Hilderbrandt's paintings is on display in Room 309 Visual Arts Bldg. through April 22.

Cluster Lecture Series

Topic: 'Women in the '80s'

The Honorable Patricia Shroeder, a member of the U.S. House of Representatives (D-Col.), will speak at 8 p.m. Tuesday, April 19, in the HUB Ballroom at the University Park Campus. Her topic will be "Women in the Eighties."

Ms. Shroeder is the first speaker in the Cluster Lecture Series, made possible by a

gift from Jay and Barbara Cluster to the Women's Studies Program in the College of the Liberal Arts.

The lecture will be followed by a public reception in the HUB Gallery. At 7:30 a.m. Wednesday, April 20, Ms. Shroeder will attend a breakfast in the Penn State Room of the Nittany Lion Inn, which also will be open to the public. Tickets to the breakfast will cost \$5, and will be available from the Women's Studies Program Office (211 Liberal Arts Tower) and the Nittany News Book Shop (108 W. College Ave.).

Purpose of the Lecture Series is to promote the continuing development, advancement and standing of women in central Pennsylvania and throughout the Penn State community. Through the series, prominent speakers will be invited to lecture on campus each year on a topic of importance to women.

Ms. Shroeder has served in the House of Representatives since 1972. In 1973, she became the first woman member of the Armed Services Committee, and she also serves on the Judiciary Committee.

Ms. Shroeder is a founder and co-chair of the Caucus for Women's Issues, a bipartisan group of senators and representatives devoted to advancing women's concerns in the Congress.

Westinghouse CEO to deliver Honorary Engineering Lecture

Robert E. Kirby, chairman and chief executive officer of the Westinghouse Electric Corporation, will deliver the 1983 Honorary Engineering Lecture at the University at 2:15 p.m. Thursday, April 14, as part of the Engineering Excellence Convocation in Room 115 Electrical Engineering West.

The Convocation, held every year by the College of Engineering, was formerly known as the "Engineering Honors Convocation," but was renamed this year to distinguish it from the University's Honors Convocation.

Mr. Kirby is a 1939 recipient of a Penn State bachelor's degree in chemical engineering. A career Westinghouse executive, he was elected chairman and chief executive officer in January, 1975.

Mr. Kirby has served Westinghouse in a number of key positions, including vice president of engineering, industrial group vice president, executive vice president, vice president of the Industry and Defense Company and vice chairman of operations. The position he held prior to his election as chairman.

This year's is the 18th in a series of annual Honorary Engineering Lectures. Inaugurated in 1966, the series is sponsored by the College of Engineering

and the Penn State Engineering Society.

During the Convocation, Engineering Dean Wilbur L. Meier Jr. will recognize student award recipients. He also will present the annual faculty awards for Outstanding Teaching, Outstanding Achievement in Research and Outstanding Advising.



Patricia Shroeder



Robert E. Kirby



John Leathers



Paul Houck



James Lundy



Robert Nicely



Kathryn Towns



Anthony Salvia

Advanced Tech Center

(Continued from page 1)

continuing education at Capitol Campus, will direct the proposed satellite center for the York-Lancaster-Harrisburg area, and Dr. Anthony A. Salvia, associate professor of industrial engineering and graduate officer at Behrend College, will direct the proposed satellite center for Erie. Both centers are moving toward establishing consortium advisory panels.

The new appointments are interim. After the programs are operational, Dr. Oswald said, permanent appointments will be made.

Penn State's Advanced Technology Center, to serve Central and Northern Pennsylvania, is one of four approved by the Ben Franklin Partnership Board. Each has received \$250,000 in initial funding that must be matched by institutions, agencies and industries in the area to be served. Governor Dick Thornburgh has indicated he will seek a state appropriation of \$10 million which the universities and industries must match for continuation of the program.

Dr. Oswald also said he has sent announcements to the presidents of the 26 institutions currently affiliated with Penn State in the Center, and personal letters to the presidents of other universities that received Ben Franklin funding, pledging full cooperation and interaction with the other Advanced Technology Centers. Those centers were proposed through Lehigh University, Carnegie Mellon University with the University of Pittsburgh, and the University City Science Center in Philadelphia.

"We also have pledged to the Ben Franklin Partnership Board that Penn

State is committing its full resources to the success of this unique and enterprising effort to revitalize the economy and to establish Pennsylvania as a leader in technology innovation and application."

Activities of Penn State's Center fall within the administrative areas of Dr. Richard G. Cunningham, vice president for research and graduate studies, and Dr. Robert J. Scannell, vice president and dean of the Commonwealth Educational System. Under their direction, a number of Center projects already are in motion.

Next week, two meetings are scheduled in different sections of the region for College of Agriculture Cooperative Extension personnel and Commonwealth Educational System personnel. They will activate "information contact points" where companies, entrepreneurs and others interested in starting or expanding businesses may obtain information on how to tap into the services offered by the Center. Similar sessions will be held with institutions joining Penn State in the project, which already have received preliminary information on the Center's operation.

Additional personnel will be appointed soon to work on particular functions of the Entrepreneurial Assistance Center, Dr. Oswald said, such as providing venture capital and counselors to assist small enterprise.

In announcing the interim appointments, Dr. Oswald cited Dr. Leathers' involvement in preparation of the supplement to Penn State's initial Ben Franklin proposal, his extensive experience with the Commonwealth

Campus programs and his work with Continuing Education as examples of his "broad understanding of the needs of those who live in the region to be served by the Center."

Dr. Leathers was administrative director of the Campus system before his 1980 appointment to his present position. He was director of the Altoona Campus from 1968 to 1974.

With PENNTAP since 1978, Mr. Houck has been involved with economic development and entrepreneurial assistance and associated with business and industrial organizations. He assisted in establishment of the Penn State Small Business Center.

Prior to joining PENNTAP, he was general manager of a daily and weekly newspaper group in Allegheny County prior to returning to Central Pennsylvania as part of the management team which started the former Pennsylvania Mirror, where he was executive editor.

As director of the Office of Industrial Research and Innovation, Mr. Lundy works closely with industry in development of new and cooperative research ventures. He came to Penn State in 1966 as director of the Small Industries Research unit which was organized to provide research opportunities for smaller firms in Pennsylvania.

Previously, Mr. Lundy had worked in sales for IBM and was vice president and general manager of a small manufacturing company. As a member of Dr. Cunningham's staff, he has been involved in organizing the research activities.

Dr. Nicely will assist in coordinating the work of a Task Force composed of representatives from state colleges and

other institutions, labor, industry management, vocational schools, community colleges and state government. The task force will inventory industry needs, labor force availability, existing education and training capabilities, and develop a system for matching the needs of industry with workers who have needed skills or can be trained for specific skills.

In his present position, his responsibilities are for academic program development and coordination of the College of Education's continuing education programs, academic matters regarding faculty and undergraduate programs at 23 campuses and offices throughout the Commonwealth, and relationships between the College and school district intermediate units across the state.

Dr. Towns, who holds the academic rank of associate professor of educational psychology, joined the Capitol Campus faculty in 1968. She was appointed to her present position in September, 1980. She has received national recognition for her work with returning women students. At Capitol, she founded and directs the Potential Re-entry Opportunities in Business and Education (PROBE) project, a job counseling, information and referral service.

Dr. Salvia joined the Behrend faculty in 1970. From 1975 through 1979, he served as assistant dean for undergraduate studies.

Since then he has been graduate officer for the college and currently is acting head of the Division of Natural Sciences and Engineering. His research interests are in reliability and statistical methods.

News in Brief

Arnold Lecture scheduled

Dr. Kathleen Jamieson will deliver the Arnold Lecture at 4 p.m. April 11 in the HUB Assembly Room.

The lecture, sponsored by the Department of Speech Communication, is entitled, "I will render you toothless and bloody: The Conflict between Jerome and Augustine."

Dr. Jamieson, professor of communication arts and theatre at the University of Maryland, has published widely on the topics of papal rhetoric and genre criticism. She has served as director of communication for the House Committee on Aging and is a commentator on National Public Radio.

Naiads annual performance

The Naiads Synchronized Swimming Club, sponsored by the College of Health and Physical Education, will present its annual performance at 8 p.m. April 14, 15, and 16 at the Natatorium.

This year's show, Games People Play, will feature 11 swimming routines choreographed to music from the entertainment world - Broadway, television, movies and the classics. The 21 swimmers will appear under the lights in duets, small and large group numbers.

Tickets will be available at the door on performance nights beginning at 7:30 p.m.

Medieval Studies banquet

Dr. Armin Wolf, Visiting Fellow of the Institute for Arts and Humanistic Studies, will be the featured speaker at the annual Medieval Studies banquet at 6 p.m. Wednesday, April 13, at Herwig's Edelweiss, Boalsburg.

The banquet will offer authentic medieval food as well as medieval music played by members of the Nova Consort who will be in costume.

Reservations must be made no later than April 8 at Herwig's Edelweiss, 466-6271. The banquet price is \$10.95 excluding gratuities and tax.

Diabetes management program

"Diabetes Management: A Healthy Life Style" is the title of a five-session series for adults who have diabetes or who have a family member or friend with diabetes. The sessions will be held in Room 119, Nursing Consultation Center, every Monday evening from 7-9 p.m. starting April 18.

These sessions have been designed to give each individual an opportunity to identify his or her questions and concerns. For more information and registration call 863-2200.

Campuses raise funds

Fifty students and faculty and staff members of the Delaware and Ogonitz Campuses manned telephones for

WHYY, TV Channel 12's phonathon on March 20. The campuses raised \$22,000 for the Delaware Valley's Public Broadcasting Service station.

Fulbright exchange program

The Fulbright Teacher Exchange program for 1984-85 offers opportunities for elementary and secondary school educators, college instructors and assistant professors to teach and attend seminars outside the United States.

The U.S. Department of Education assists the U.S. Information Agency in operating the program.

Applicants for the teacher exchange program must be currently employed, have U.S. citizenship, a bachelor's degree and three years of teaching experience. Exchanges are conducted with the United Kingdom, Germany, France, Switzerland, Italy, Denmark and Canada.

Those eligible for the 1984 seminars include teachers of the classics, German, Italian, Portuguese and world history; social studies supervisors and curriculum directors for area studies of Asia, Europe, Latin America or the Middle East; teacher educators; and school administrators responsible for curriculum development.

Applications are due between Aug. 15 and Oct. 15, 1983. For information, write to: Fulbright Teacher Exchange Branch, International Education Programs, U.S. Department of

Education, ROB-3, Room 3069, Washington, D.C. 20202, or call (202) 245-9700.

Memorial fund created

A memorial fund has been established at the McKeesport Campus for Dr. Patricia Klemans, associate professor of English, who died Jan. 26.

Dr. Klemans, who was a member of the campus faculty for 21 years, served as chairman for the Language Arts, and as a member of the Women's Studies Option Advisory Board. Other responsibilities included membership on the Promotion and Tenure Committee and the Library Committee.

Dr. Klemans was a member of the College English Association and the Modern Language Association. She served as chairperson of the membership committee of the Women's Caucus of the Northeast Modern Language Association in 1978 and 1979. She helped to establish a writing clinic for EOP students, introduced the Women and Literature Course at McKeesport Campus, and coordinated an informal faculty program on human rights during the 70's.

Gifts to the memorial fund can be sent to the McKeesport Campus, University Relations Office. A committee of students, alumni and faculty will choose an appropriate memorial.

Lehman Fellowship for graduate study established

An annual Katey Lehman Fellowship for graduate study in poetry or fiction writing has been established. Dr. Wendell V. Harris, head of the Department of English, has announced.

The \$5,000 fellowships honor the late Mrs. Lehman, who with her husband Ross, retired executive director of the Alumni Association, was a columnist for the Centre Daily Times for 26 years. While

at Penn State, she was an honors student in English and journalism and a reporter for *The Daily Collegian*.

The Lehman Fellowship will be granted to students for an academic year's study in poetry or fiction writing leading to a master of arts degree in English, with a specialization in writing.

Students will be selected by a special committee appointed by the dean of the College of the Liberal Arts and will receive free tuition and a stipend for one year and have no teaching duties.

Recipients are eligible for a graduate assistantship with a similar stipend and tuition grant during their second year of study.

The purpose of the program is to provide an opportunity for students with ability in imaginative writing to develop their skills and critical judgment through the practice of writing and the study of literature. The ultimate aim of the fellowships is to help writers prepare for careers as writers.

At the end of the program, the student writer is expected to produce a work of literary value and publishable quality. The master's degree and such publication may

qualify the student as a teacher of writing.

The Lehman graduate fellowship is one of two programs established in Mrs. Lehman's honor. The Katey Lehman Creative Writing Awards, begun last year, are presented annually by the College of the Liberal Arts in three areas: poetry writing, fiction writing and journalism. All undergraduates regardless of area of study are eligible, and entries are judged by three nationally known writers.

"The Katey Lehman Fellowship at the graduate level and Creative Writing Awards for undergraduates provide unusually liberal recognition to young writers at Penn State," Dr. Harris says. "The Department of English is very grateful to Mr. and Mrs. Smeal for their generosity and vision in honoring Mrs. Lehman in ways that will encourage talented students year after year."

Both the Lehman fellowship and creative writing awards are endowed by the Katey Lehman Endowment Fund. The fund was established by Mrs. Lehman's sister, Mary Jean Popp Smeal, and brother-in-law, Frank P. Smeal of Rumson, N.J. The Lehmans and Smeals were members of the Penn State class of 1942.



Ross B. Lehman, left, and Dr. Stanley F. Paulson, dean of the College of the Liberal Arts, discuss the creation of a graduate fellowship honoring the late Katey Lehman.

Scholarships and funds are reported to Trustees

Establishment of a professorship and a number of scholarships and endowment funds has been reported to the Board of Trustees.

The Stan and Flora Kappe Professorship in Environmental Engineering has been created by Stanley E. Kappe of Bethesda, Md., chairman of the board of Kappe Associates, Inc., a 1930 Penn State graduate in engineering and a life member of the University's Alumni Association. Its initial principal will come from his estate upon his death, in his name and in the name of his wife, who is deceased.

The holder of the professorship will be designated the Stan and Flora Kappe Professor of Environmental Engineering. The purpose of the professorship will be to recognize a faculty member of the Department of Civil Engineering whose teaching, research and public service have been outstanding and to provide support to enable the recipient to make even greater contributions in those areas.

Recipients should have worked with both undergraduate and graduate students.

The faculty member appointed to this professorship will be responsible for coordinating and implementing the department's academic and research programs in environmental engineering. The University president, on the recommendation of the dean of the College of Engineering, will make the appointment.

The John W. Oswald Endowment Fund will provide support for the John W. Oswald Lecture and John W. Oswald Scholarship. It honors Dr. Oswald, Penn State's 13th president, who will retire June 30.

The principal of the fund that will support both the lecture series and scholarship has been received as gifts to the University from friends and associates of Dr. Oswald. Contributions to this fund may be made by interested persons and organizations.

The Katey Lehman Endowment Fund will support the Katey Lehman Creative Writing Award and the Katey Lehman Fellowship in Poetry or Fiction Writing.

Both programs honor the late Mrs. Lehman, wife of Ross B. Lehman, retired executive director of the Penn State Alumni Association.

The George A. Goodling Scholarship honors the late congressman from the 19th U.S. Congressional District.

Rep. Goodling, a long-time resident of and community leader in York County, died last October after serving six terms in Congress. He was a 1921 Penn State alumnus in horticulture. The scholarship will provide financial assistance to outstanding students enrolled at the York Campus of Penn State whose home addresses are in the 19th District and who have demonstrated a need for additional funds to complete their degrees.

The Stan and Flora Kappe Scholarship in Environmental Engineering, also

created by Mr. Kappe, will recognize outstanding undergraduate environmental engineering majors in the College of Engineering. Contributions may be made to the fund by interested persons or organizations.

The Paul D. and the Rev. David P. Wentzschel Scholarship, which honors a father and son from Pennsylvania, will provide financial assistance to undergraduates enrolled in premedicine in the College of Science or in any approved major in the College of Education.

Mrs. Dorothy H. Wentzschel of Pittsburgh contributed the initial principal to create the fund. Her husband, Paul D. Wentzschel, earned degrees in education at Penn State in 1946 and 1948. Also of Pittsburgh, he is now a retired teacher. Their son, the Rev. Wentzschel, pastor of Wayne Presbyterian Church, is a 1975 Penn State graduate in biology. He lives in Devon.

News in Brief

Rural development conference

The College of Agriculture and the Department of Agricultural Economics and Rural Sociology, in cooperation with the Population Issues Research Center, is sponsoring an international conference on rural development and human fertility April 11-13 in the Keller Conference Center on the University Park Campus.

The focus of the conference is the need for rural policy in developing nations that reflects the interaction between population growth and government activities in rural areas. Participants include scholars from Europe, Israel, Taiwan and the United States.

Further information may be obtained from Wayne Schuyler or C. Shannon Stokes of the Department of Agricultural Economics and Rural Sociology. Copies of the conference program are available in the Keller Building lobby.

Acoustics seminar speaker

Dr. David T. Blackstock, faculty research scientist and senior lecturer in the Mechanical Engineering Department at the University of Texas at Austin, and president of the Acoustical Society of America, will

present a seminar at 4 p.m. April 7 in the Eric A. Walker Conference Room of the Applied Research Laboratory.

The seminar, entitled "Tone-Tone Interactions in Nonlinear Acoustics - A Review," is sponsored by the Graduate Program in Acoustics, the Applied Research Laboratory, and the Central Pennsylvania Chapter of the Acoustical Society of America and is open to the public.

Dr. Blackstock received his B.S. and M.A. degrees in Physics from the University of Texas in 1952 and 1953, and his Ph.D. in applied physics from Harvard University in 1960. Since 1969, he has taught both graduate and undergraduate courses in fluid mechanics, thermodynamics, and heat transfer in the Mechanical Engineering Department of the University of Texas at Austin, as well as performing basic research in nonlinear acoustics at the Applied Research Laboratories at the University of Texas, Austin.

Secretaries Day buffet lunch

The HUB Eateries will hold a Secretaries Day buffet lunch from 11:30 a.m. to 1:30 p.m. Friday, April 29, in the ballroom of the Hetzel Union Building.

The menu will include cold sliced

roast beef and turkey and seafood newburg over rice. The cost of \$5.70 per person includes a flower for secretaries.

Only a limited number of reservations can be accepted, on a first-come basis, through Friday, April 15. Detailed information on the menu, reservations and pre-determined seating may be obtained by calling 865-7623.

Housing referral service

University personnel who wish to rent their homes while they are away from campus and new or visiting faculty and staff who are looking for temporary housing may utilize the service provided by Housing Referral. Volunteers from the Faculty Women's Club who collect and dispense information on "renters" and "rentees" can be reached at 865-1538.

New booklist due date

Faculty members are reminded that because of the semester change booklist due dates must be altered. The new date for the fall semester booklist due at the Penn State Bookstore is May 1.

The procedure and format for sending four copies of the booklist to the Penn State Bookstore will continue. The bookstore would appreciate inclusion of instructors' names with the courses they are teaching.

Faculty members are reminded that a

booklist must be submitted even if a text will not be required for the course. Also, any packets or manuals that will be supplied by the department must be handled exclusively through the Penn State Bookstore and should be listed on the booklist.

Any questions or inquiries should be directed to Norm Brown at the Penn State Bookstore, 865-3291.

Worry Treatment Program

If you think you worry too much, you can enroll now in a free experimental program in the Psychology Department.

Rowland Folsenbee, a doctoral student in psychology, said people 18 years of age and older may sign up for a four-week group treatment plan that will focus on the nature of worry. Anyone "for whom worry is a problem" is eligible to apply for admission, he said.

"We want to see what worrying is like for people and how they respond to certain types of treatment," he added. Mr. Folsenbee is part of a research group, directed by Dr. Thomas Borkovec, that will run the small group sessions.

Interested persons may contact the Worry Treatment Program at 865-1590 between 6 and 9 p.m. Monday through Thursday or 237-4056 between 10 a.m. and 2 p.m. Saturday and Sunday.

Appointments

Dr. Nancy M. Tischler, professor of English and humanities at the Capitol Campus, has been named director of the University's new Summer Session.

In making the appointment, President Oswald noted that "in conjunction with the calendar conversion, the University will establish in 1984 a new summer session based on the principles outlined in a policy statement drafted in October, 1982.

"The summer sessions of 1984, '85 and '86 are viewed as an occasion for transition and experimentation under the direction of the provost and the president, with guidance from the Advisory Implementation Committee."

Dr. Oswald further noted that, "based on the strong recommendation of the search committee," he was pleased to offer Dr. Tischler an appointment as director of the summer session for the period July 1, 1983, through June 30, 1986.

The director's primary duties will be to identify program offerings "to capitalize on the strengths of Penn State," and to work with deans, department heads and faculty members to develop innovative and attractive summer programs.

As director of the Summer Session, Dr. Tischler becomes a member of the Advisory Implementation Committee on the New Summer Session. That Committee, chaired by James B. Bartoo, dean of the Graduate School, is responsible for developing principles and guidelines for the operation of the new summer session beginning in 1984.

In accepting the appointment, Dr. Tischler said, "I am very enthused about working with faculty members, students and administrators in developing an exciting academic and cultural program for the Summer Session at Penn State."

Dr. Tischler earned a baccalaureate degree at Wilson Teacher's College and master of arts and doctor of philosophy degrees in English at the University of Arkansas. She has done additional study at the University of London and at the

Institute of Educational Management of Harvard University. Dr. Tischler, a member of Kappa Delta Pi and Phi Beta Kappa, was a Fulbright Scholar.

Prior to joining the faculty at Capitol Campus in 1966, Dr. Tischler served on the faculty at George Washington University in Washington, D.C., and at the Susquehanna University in Selinsgrove, Pa. In her tenure at Capitol, Dr. Tischler served as chairperson of the humanities graduate and undergraduate programs.

Dr. Tischler also served as chairperson of Penn State's Faculty Senate in 1981-82, and is a member of the Faculty Advisory Committee to the President and the Commission on Women. She was co-chairperson with President Oswald and Provost Edward D. Eddy of the General Education Conference at University Park last year and served as vice-chairperson of the Presidential Search and Screen Committee.

Dr. Tischler has published widely, served as an editor on two different publications and as a member of advisory boards in several literary fields. A selected listing of publications includes, *Tennessee Williams: Rebellious Puritan, Legacy of Eve: Images of Women in the Bible, Dorothy L. Sayers: A Pilgrim Soul, and Black Masks.*

Jo-Anne Thomas Vanin, associate dean of Bryn Mawr College, has been named director of the Developmental Year Program/Learning Assistance Center, effective July 1.

"Dr. Vanin's extensive experience and her awareness of the issues made her an ideal candidate for this very important position," Dr. Robert E. Dunham, vice president for undergraduate studies, said. "The Developmental Year Program has been highly successful in the past. We're looking forward to continuing that tradition of success and expanding our areas of involvement under Dr. Vanin's leadership."

The DY Program offers basic academic skills training to students who have the potential and motivation for higher education but who have demonstrated



Dr. Nancy M. Tischler

modest academic achievement previously. It serves primarily students admitted to Penn State through the Educational Opportunity Program and disadvantaged veterans.

The Learning Assistance Center, not yet in operation, will provide academic support services for students who are not among the groups served by DY. It is being established in response to legislation approved by the University Faculty Senate.

Dr. Vanin succeeds Leon Wiles, who resigned as director of the DY Program to accept another position. Since then, Mary Catherine "Kay" Hudspeht, a member of the DY staff, has served as interim director.

Dr. Vanin joined the Bryn Mawr staff in 1970 as assistant dean for student affairs and was given the general title assistant dean in 1972. In that post, she had chief responsibility for the academic development and personal welfare of members of the freshman, sophomore, junior and senior classes at the college.

She was appointed associate dean in 1982. In that position, she has chaired the college's Undergraduate Curriculum



Dr. Jo-Anne T. Vanin

Committee, Honor Board, Financial Aid Committee, Undergraduate Deans' meetings and Administrative Heads Committee.

Dr. Vanin holds a bachelor's degree with honors from Bryn Mawr, a master's degree from Harvard University and a Ph.D. from Bryn Mawr. In 1982 she served as interim director of Bryn Mawr's Massenzia Program in Italy.

From 1971 to 1981, she was director of Bryn Mawr's Pre-Freshmen Summer Program, run in conjunction with Swarthmore and Haverford Colleges.

At Penn State, about 200 new freshmen are admitted to the DY program annually. The program offers such services as diagnostic testing, academic counseling and instruction in basic study skills. The new Learning Assistance Center will offer similar services to additional students.

"We hope that the new center will be in operation by the beginning of the fall semester," Dr. Dunham said. "The DY Program is doing a good job, and our hope is that the new center will build upon its strengths, expand upon its best features, to provide help to additional students who need it."

Trustees ballot positions determined

In line with procedures established by the Board of Trustees, a drawing has been held to determine positions on the ballot for the 1983 election of Trustees by

University alumni.

Patricia L. Rosdill, assistant secretary of the Board who conducted the drawing, said that ballots for the Trustee election

will be mailed to Penn State alumni by April 15.

In all, there will be seven candidates for three positions on the Board in alumni balloting this year. As a result of the drawing, the candidates will appear on the ballot in this order:

Jay H. Feldstein, class of 1959; president, Feldstein, Grinberg, Stein and McKee, Pittsburgh, Pa.; J. Wesley Berger, class of 1958, agent, New York Life

Insurance Company, Allentown, Pa.; Nancy V. Kidd, class of 1955, psychologist, Glendale, Ariz.; Lawrence G. Foster, class of 1948, vice president of public relations for Johnson and Johnson, New Brunswick, N.J.; Walter J. Conti, class of 1952, owner, Conti's Cross Keys Inn, Doylestown, Pa.; Peter R. Carpenter, class of 1962, vice president, Northern Trust Company of Arizona, Scottsdale, Ariz.; Ralph D. Hetzel Jr., class of 1933, provost emeritus and adjunct faculty member, California Institute of the Arts, Encino, Calif.

Gov. nominates Trumka as Trustee

Gov. Thornburgh has nominated Richard L. Trumka, president of the United Mine Workers of America, to serve on the Board of Trustees.

Trumka, 33, is a 1971 Penn State graduate with a bachelor's degree in accounting and economics. He received a

law degree from Villanova University in 1974.

The nomination, made March 22, must be acted on by the State Senate within 25 legislative days. If confirmed by the Senate, Trumka will replace Harry Boyer, past president of the Pennsylvania AFL-CIO, who resigned.

Penn State Press:

Literary Criticism and Philosophy: Yearbook of Comparative Criticism. Joseph P. Strelka, editor. 259 pages. \$17.95.

Joseph P. Strelka, formerly of Penn State and general editor of the *Penn State Series in German Literature*, is editor of volume 10 of this yearbook series.

The interconnections between literary criticism and philosophy are "manifest and far-reaching," he says. This volume is divided into three major areas: basic philosophical foundations of literary criticism, philosophical concepts and implications in literary criticism and philosophical concepts and implications within the literary work of art.

In the first section, the standpoint that principles of literary scholarship are formulated by philosophical means is explored. The second part suggests that practical criticism is both influenced by and based on philosophy.

In the final section, the scholar's tasks of exposing philosophical ideas buried within a text and of defining these ideas are considered.

Contemporary German Philosophy (Vol. I). Darrel E. Christensen, editor. 305 pages. \$17.50.

This volume is devoted to making contributions to German philosophy available in English translation. It will be a yearbook following volumes reviewing the 1960-80 period.

Its aim is not to displace the German language as a medium for philosophical discourse, but to provide the reader who is more at home in English with some points of access to the more important recent contributions originating in German.

Future volumes in this new trans-Atlantic series are planned.

University Press receives 1983 international award

The University Press has won the prestigious Confederation Internationale des Negotians en Oeuvres d'Art (C.I.N.O.A.) International Award for 1983.

The award, given annually for the last seven years, honors scholarly publication in the field of art history. It is one of only a few such international awards in academic publishing.

"It is an award that all art historians covet, and we are proud and honored to have been named the recipients for this year," University Press Director Chris Kentera said. "Earlier this year, Penn State's football team brought a national championship home to the University. Now the University Press has added an international championship."

The C.I.N.O.A. is an organization of the 10 leading art and antique dealers associations in 13 western nations.

In November, the University Press submitted a manuscript by University of

North Carolina Professor C. Edson Armi to the U.S. association of C.I.N.O.A. The U.S. association selected Dr. Armi's manuscript, *Masons and Sculptors in Romanesque Burgundy: The New Aesthetic of Cluny III*, as the best in this country. It forwarded the manuscript to the International Judging Committee in Brussels and Paris. The manuscript was then selected as the best among the 13 national winners.

Dr. Armi's two-volume, 420-page book, which will include 450 illustrations, is scheduled to be published by the University Press in November.

The University Press and Dr. Armi, proclaimed C.I.N.O.A.'s "Laureate for the Year," will be honored at the international association's meeting April 23-24 in Richmond, Va. At the meeting, University Press will be awarded a framed certificate and a check for \$5,000. The money will aid in financing the production of the manuscript and its illustrations.

Bookshelf

Dr. John Hardin Best, professor of education and head of the Division of Education Policy Studies, is the editor of *Historical Inquiry in Education: A Research Agenda*, published by the American Educational Research Association.

The book is a collection of essays which provide a variety of interpretations of issues in the history of education. The topics of the essays range from the study of urban education systems to the cycles of history of the family and childhood. According to Dr. Best, the work is a "speculative agenda for the research to come."

The essays are not only useful to education historians and researchers, but are written to appeal to anyone who wishes to understand American society through its educational developments.

Donald C. Henderson, associate librarian and head of the Hispanic Library Program, and Grace R. Perez, assistant librarian, have published through the University Libraries *Literature and Politics in Latin America: An Annotated Calendar of the Luis Alberto Sanchez Correspondence, 1919-1980*.

Dr. Sanchez, 83, is still deeply involved in politics in his native Peru and remains one of the intellectual luminaries of Latin America. In politics, he was closely associated for years with Victor Raul Haya de la Torre, founder of the Alianza Popular Revolucionaria Americana political party.

Because of politics, Dr. Sanchez was forced to spend much of his life in exile from Peru. He was associated with other political figures, including Romulo Betancourt, Juan Bosch and Luis Munoz Marin. His literary correspondents include Pablo Neruda, Gabriela Mistral, Chilean winners of the Nobel Prize, and Alfonso Reyes.

Research and publication of this 518-page work were funded in part by a grant of \$16,000 from the Tinker Foundation Inc., New York. The book contains more than 2,000 abstracts in English. It features a preface by Dr. Sanchez, a biographical chronology, an introduction and a general index. It is intended as a guide to the Sanchez Archives at the University Libraries.

Dr. David Hufford, associate professor of behavioral science and director of the Center for Humanistic Medicine at the

Hershey Medical Center, is the author of *The Terror That Comes in the Night*. Subtitled "An Experience-Centered Study of Supernatural Assault Traditions," the book explores the connections between folk beliefs in various cultures and a sleep-related phenomenon known scientifically as "sleep paralysis with hypnagogic hallucinations."

Dr. Hufford, who holds a Ph.D. degree in folklore studies from the University of Pennsylvania, has studied supernatural belief in Newfoundland (Canada) and various regions of the United States. He has interviewed people in those areas who have suffered from sleep paralysis.

"This research has demonstrated that, in terms of their content, the sleep paralysis experiences show remarkable similarities to one another and to folk descriptions of such things as attack by a vampire, demon or witch," Hufford said. These similarities exist whether the "victim" is familiar with such traditions or not, according to the book, published by the University of Pennsylvania Press. Common features of the experience include the sound of approaching footsteps, the sensation of a "presence," and the feeling of a crushing weight on the chest, accompanied by paralysis and fear.

Dr. Hufford uses these patterns and relationships to investigate the roles of reason and observation in the development and maintenance of supernatural folk belief. "Among my findings is the fact that the sleep paralysis experience, in all its complex detail, is apparently independent of the presence of cultural models," he said. "In this case, then, the related traditions are derived directly from personal experience rather than the tradition-supporting experiences being themselves a product of culture."

The role of culture in this process largely seems limited to the shaping of verbalizations about the experience, he adds. This conclusion is almost unique in the social-science study of supernatural belief, and is a direct result of the "experience-centered" approach developed by Dr. Hufford for the examination of the rational and empirical elements of supernatural belief.

More than 50 medical school libraries in Japan have purchased a book on computer programming written by Dr. Arthur Krieg, professor of pathology and director of clinical laboratories at the Hershey Medical Center. The book was translated into Japanese by a professor in Japan, Dr. Ichiro Wakai, whose enthusiasm for Krieg's work has prompted a contribution toward a second edition of the textbook.

Dr. Krieg's text deals with a new computer language referred to as "M" or "Standard MUMPS," which is now available for home computers.

According to Dr. Krieg, "M" offers significant advantages over older computer languages such as BASIC, COBOL and FORTRAN. "First, 'M' is easier to learn than other computer languages," he said. "Second, computer professionals familiar with 'M' can develop programs at half the cost of equivalent programs in some other languages."

"Because we selected the 'M' computer language," Krieg explains, "programming took less than half the time which otherwise would be needed. We could afford to 'understand the problem' before our colleagues, the computer scientists, began to write the code."

"We are now working on a second edition of our text, originally developed at Hershey during 1980-81. Dr. Wakai's gift will enable us to visit colleagues at other universities and to cover other expenses associated with this project. Eventually, we hope to offer courses on 'M,' in collaboration with colleagues from Johns Hopkins and Harvard Medical School."

J. Keith Ord, professor of management science, is one of three authors of *The Advanced Theory of Statistics*, Vol. 3, fourth edition, published by Charles Griffin &

Co. Ltd., England, and MacMillan Publishing Co., New York.

Dr. Ord and colleagues Sir Maurice Kendall, past president of the Royal Statistical Society, and Alan Stuart, emeritus professor of statistics at the University of London, contributed to this work.

The 1983 edition, on design and analysis and time-series, has been thoroughly revised. It contains major alterations due to rapid developments in multivariate analysis and time-series, more exercises and worked samples and more references.

The work, which now comes in three, self-contained volumes, was created nearly 40 years ago and is recognized as the most comprehensive and authoritative work on advanced statistical theory. Its outstanding feature is its lucid treatment of the development of the theory.

Evans G. Pattishall, dean of the College of Human Development, and Donald A. Kennedy, assistant dean of behavioral science at the College of Human Medicine, University of Wyoming, are co-editors of *Behavioral Sciences: PreTest Self-Assessment and Review*, second edition published by McGraw-Hill.

The book provides students and physicians with an instrument for self-assessment and review in the behavioral sciences. It features 500 questions in the same format and degree of difficulty as the questions contained in part one of the National Board of Medical Examiners test, the Federal Licensing Examination, the Visa Qualifying Examination and the Educational Commission for Foreign Medical Graduates exam.

Each question is accompanied by an answer, explanation and review of the topic along with page references to current journal articles, textbooks, or both.

Topics covered include biological correlates of behavior, individual behavior and personality, human development, communications and interaction, group processes, family and community, sociocultural patterns, human ecology and health, health care systems, and biomedical and behavioral statistics.

Dr. Theodore H. Poister, associate professor of public administration, is the author of *Performance Monitoring*, published by Lexington Books.

The book discusses the use of performance monitoring in public sector organizations to help executives gain stronger direction and control over programs and presents a model for the design of performance monitoring systems.

Research conducted by the author for the Pennsylvania Department of Transportation is used to illustrate the monitoring of program efficiency and effectiveness over time using diverse sets of indicators ranging from readily available internal operating data through trained observer highway condition surveys to citizen surveys.

The book concludes with a discussion of the costs and benefits of monitoring, organizational factors which may facilitate or inhibit monitoring efforts, and suggested procedures for implementing a performance monitoring system.

Paul H. Risk, associate professor of recreation and parks, is author of *Outdoor Safety and Survival*, published by John Wiley and Sons Inc., New York.

"Survival is an attitude," he says in the introduction. "While not always inherited, it is a mental set that may be cultivated. Although emergency preparedness involves training in skills, far more important is the need for calm, considered action under unforeseen, threatening circumstances."

"Although this book contains many ideas about techniques for coping with environmental extremes, it is the ability to cope with ourselves that is paramount in importance."

The book emphasizes the psychological aspects of survival. It's designed to teach

people to develop a survival attitude. Information will help anyone who spends time outdoors to pursue their activities safely.

It can be a single source of outdoor safety and survival information, Dr. Risk says, and integrates material from many different publications. Most such material is of World War II vintage and is either out of date or obsolescent, he says.

Chapter topics include: preparation for survival, five keys to survival, fire, water, shelter, attracting attention (signals), how to procure food and prepare it, hot and cold weather survival and survival kits. Readers may find sections on snakebite, hypothermia and bear attacks of particular interest. The book also includes a recommended reading list.

Barbara M. Shannon, associate professor of nutrition, is co-author of a book entitled *Nutrition: An Inquiry Into the Issues*, published by Prentice-Hall.

The 552-page text also was written by Patricia J. Long, a former Penn State graduate student in nutrition and now managing editor of the Journal of Nutrition Education.

The text is designed to provide non-nutrition majors with a broad understanding of nutrition in general and with the facts they need to know about today's nutrition controversies.

Each chapter provides a general informational background for a nutritional subject and then uses it as a framework for discussions of specific contemporary debates.

Drs. David J. Shetlar, and Paul R. Heller, assistant professors of entomology, are authors of a book entitled *Turfgrass Insect and Mite Manual with an Index of Registered Materials*.

The book, printed by the Pennsylvania Turfgrass Council, Inc., is a 63-page manual for turfgrass managers. It contains general information on pest management, identification of pests, life cycles of pests, control hints, pictures and life history charts. It also contains information on beneficial pests.

Ellen M. Woolford, assistant professor of anthropology and linguistics, is co-editor of *The Social Context of Creolization*, published by Karoma Publishers Inc., Ann Arbor, Mich.

Dr. Woolford and William Washabaugh of the University of Wisconsin at Milwaukee collected articles devoted entirely to the investigation of the social conditions surrounding the formation of pidgins and creoles. This is an area of research attracting increasing attention among creolists and sociolinguists.

The book deals with how trade languages, called pidgins, become ordinary languages; why some pidgins die out or change very slowly, while others creolize completely within a single generation; and what social factors trigger or retard the linguistic process.

Pidgin languages are easy to learn, she says, because they don't have the complex grammatical structure of ordinary languages. Pidgins don't have agreement, case endings, number endings or different verb forms.

When pidgins become creoles, they acquire the structure of ordinary language. What happens to pidgins depends on their use, Dr. Woolford says. The book's fundamental assumption is that social forces are the crucial factor in determining where and when pidginization will occur.

In the book's introduction, she wrote: "The contributions to this volume explore this problem under the assumption that pidginization and creolization are not freak events exempt from the laws governing ordinary linguistic processes, but rather that pidginization and creolization are combinations of these same ordinary linguistic processes that can be predicted to occur whenever and wherever the social conditions are extant."



Prunella Scales will do a one-woman performance in "An Evening with Queen Victoria" at 8:30 p.m. April 9 in Schwab Auditorium. See page 8 for more details.

University Park Calendar

April 7 — 21 Special Events

Thursday, Apr. 7

Sports: baseball vs. Lock Haven (DH), 1 p.m.; men's gymnastics, NCAA Championships, 7 p.m.
HUB Eateries, Founder's Room, Special Dinner, 5-7 p.m.
Kern Classics, *Grove Tube*, 7 and 9 p.m., 112 Kern.
E.W. Mueller Memorial Lecture, 8 p.m., 117 Osmond. Sir Rudolph Peierls on "Recollections of the Early Days of Quantum Mechanics."

Friday, Apr. 8

Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. James Darlington, Brandon Univ. — Manitoba, on "A Room with a View: The Evolution of the Catskills as a Resort Region."

Sports: men's gymnastics, NCAA Championships, 7 p.m.

Theatre and Film, *Petulia*, 7 and 9 p.m., HUB Assembly Room. Also April 9.

Slide Lecture/Discussion, 7:30 p.m., Zoller Gallery. Judith Solodkin, visiting artist.
Organ recital, Peggy Kelly Reinburg, 8:30 p.m., Music Bldg. recital hall.
Contemporary Dance Company, Tenth Anniversary in Performance, 8:30 p.m., Eisenhower Auditorium. Also April 9, 2:30 and 8:30 p.m.

Saturday, Apr. 9

School of Music, High School Solo and Festival Ensemble, beginning 9 a.m., Music Bldg. recital hall.

Artists Series, An Evening with Queen Victoria, 8:30 p.m., Schwab Auditorium.

Sports: women's golf, Lady Lion Invitational; baseball vs. George Washington (DH), 1 p.m.; softball vs. Ithaca (DH), 1 p.m.; men's lacrosse vs. Hofstra, 2 p.m.; men's gymnastics, NCAA Championships, 2 and 7 p.m.

Sunday, Apr. 10

HUB Eateries, Founder's Room, Brunch, 10:30 a.m.-1:30 p.m.

Sports: women's golf, Lady Lion Invitational; baseball vs. Howard (DH), 1 p.m.; women's lacrosse vs. William & Mary, 1 p.m.; softball vs. LaSalle (DH), 2 p.m.

Monday, Apr. 11

Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Jorge Luis Borges, informal talk on writers and writing.

Sharon Metcalf, Satellite News Channels, Correspondent, will participate in a telephone conference, 3:30 p.m., 117 Agriculture Administration.

Public Lecture, 7:30 p.m., 101 Kern. Jorge Luis Borges, visiting fellow, on writers and writing.

Piano recital, LuAnn Grimm, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Apr. 12

Sports: baseball vs. Duquesne (DH), 1 p.m.; women's lacrosse vs. Delaware, 3 p.m.
Bach's Lunch, The Hi-Lo's, noon, Eisenhower Chapel.

Outside the Mainstream Film Series, *Uncommon Injures*, 12:15 p.m., Zoller Gallery.

Piano recital, Rionda Wright, 1 p.m., Music Bldg. recital hall.

School of Visual Arts Public Lecture, 7:30 p.m., 102 Chambers. Jerry N. Velsmann, photographer.

HUB Craft Centre Open House, 7:30-9:30 p.m., 312 HUB.

GSA Assembly meeting, 7:15 p.m., 101 Kern.

Wednesday, Apr. 13

Finance for Women meeting, 9:30 a.m., 226 HUB. Jack Yast, III, on "Personal Investments Building a Basic Program."
Kern Concert, Stan Shepherd, 12:30 p.m., Kern Lobby.

Thursday, Apr. 14

Sports: soccer vs. Temple (DH), 1 p.m.; women's lacrosse vs. Temple, 3 p.m.
Paul Ruskin, executive producer, College of Agriculture and Agriculture Extension television studio, will discuss emerging video technologies, 3:30 p.m., 117 Agriculture Administration.

HUB Eateries, Founder's Room, Special Dinner, 5-7 p.m.

Niads Synchronized Swimming performance, 8 p.m., Natatorium.

1983 History of Photography Slide Lecture, 8 p.m., 101 Kern. William C. Darragh, Gettysburg College, "Carte-de-Visite Photographs, a Mirror of the Social Scene."

Friday, Apr. 15

Sports: men and women's track and field, Nittany Lion Relays, 3 p.m.

Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. Deryck Holdsworth, Univ. of Toronto, on "The Historical Atlas of Canada: Project: from the Ice Age to the 20th Century in Three Volumes."

Theatre and Film, *Performance*, 7 and 9 p.m., HUB Assembly Room. Also April 16.

Ice Show, Ice Rhythms, 7:30 p.m., Ice Pavilion. Also April 16.

URTC, *Forty-Five Minutes From Broadway*, 8 p.m., The Playhouse. Also April 15-17, 20-24, 27-30.

Artists Series, Texas Opera Theater, 8:30 p.m., Eisenhower Auditorium.

Saturday, Apr. 16

Sports: men and women's track and field, Nittany Lion Relays, 12 p.m.; softball vs. Princeton (DH), 2 p.m.

Sunday, Apr. 17

HUB Craft Centre second session classes begin. HUB Eateries, Founder's Room, Brunch, 10:30 a.m.-1:30 p.m.

Penn State Blue Band performance, 3:30 p.m., Eisenhower Auditorium.

Recital, Kim Kronenberg, soprano, 8 p.m., Music Bldg. recital hall.

Monday, Apr. 18

Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Joseph Cutter, classics, on "The Vatican Mourner: Art, Poetry, and Political Propaganda."

France-Cinema, Costa-Gavras, Z, 7 and 9 p.m., 112 Kern.

Violin recital, Cheryl Van Buren, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Apr. 19

Museum of Art Gallery Talk, 10:30 a.m., Museum of Art. Wilma Siern, art history, on "Current Directions in the Visual Arts."

Bach's Lunch, FSU Percussion Ensemble, noon, Eisenhower Chapel.

Piano recital, Elizabeth Grove, 1 p.m., Music Bldg. recital hall.

Sports: women's lacrosse vs. Lock Haven, 3 p.m.

School of Visual Arts Public Lecture, 7:30 p.m., 101 Chambers. Curtis Rhodes, sculptor.

Artists Series Film Festival, *Three Sisters*, 8 p.m., Schwab Auditorium.

The Golden Age of Grace Lecture Series, 8 p.m., 101 Kern. Michael Eisman, Univ. of PA, on "There's a Gorgoneion in My Wine Cup."

Claster Lecture Series, 8 p.m., HUB Ballroom. U.S. Rep.-Patricia Schroeder, on "Women in the Eighties."



Seamus Heaney, Irish poet, will speak at 8 p.m. April 21 in 101 Kern.

Wednesday, Apr. 20

Outside the Mainstream Film Series, *Four Women Artists*, 12:15 p.m., Zoller Gallery. Graduate Council meeting, 3 p.m., 101 Kern. Alard Quartet with Sylvia Glickman, pianist, commemorative concert of Brahms' work, 8:30 p.m., 101 Kern.

Thursday, Apr. 21

Sports: women's lacrosse vs. Maryland, 3 p.m. HUB Eateries, Founder's Room, Special Dinner, 5-7 p.m.

Kern Classics, *Bedazzled*, 7 and 9 p.m., 112 Kern.

Commodore VIC 20, CBM 64 and Pet Microcomputer Users Group meeting, 8 p.m., 225 Hub. Nouse session, 7:30 p.m.

Dotterer Lecture, 8 p.m., Nittany Lion Inn. Robert Sokolowski, Catholic Univ. of America, on "The Phenomenology of Human Action."

English/IAHS Colloquium, 8 p.m., 101 Kern. Seamus Heaney, poetry reading.

Seminars

Thursday, Apr. 7

Ceramic Science, 11 a.m., 301 Steidle. Harlan Anderson, Univ. of Missouri-Rolla, on "Defect Chemistry of Transition-Metal Oxides."

Computational Fluid Dynamics, 11 a.m., 103 Mechanical Engineering. H. McDonald, Scientific Research Associates, on "Viscous Flow Computation."

Chemistry, 12:45 p.m., S5 Osmond. Gideon Fraenkel, Ohio State Univ., on "Structure and Dynamic Behavior of Organolithium Compounds."

Medieval Studies/History, 1:30 p.m., 124 Sparks. Armin Wolf, Max Planck Institut fur europaische Rechtsgeschichte, on "The Origin of the Common Prince-Electors. Ideas of the German Rite of Heritability and Electability."

Ecology, 4 p.m., 8 Mueller Lab. H. Ronald Pulliam, SUNY-Albany, on "Feeding, Efficiency, Resource Partitioning and the Co-Occurrence of Sparrow Species."

Friday, Apr. 8

Analytical Chemistry, 10 a.m., S5 Osmond. Charles F. Harper on "Furnace Atomic Adsorption Spectroscopy."

Physics, 3:55 p.m., S5 Osmond. Sir Rudolf E. Peierls, Univ. of Oxford, on "The Interpretation of Quantum Mechanics: Is There a Problem?"

Monday, Apr. 11

Entomology, 3:50 p.m., 215 Armsby. William K. Waters, agriculture, on "Farm's Cost of Crop Production."

Plant Pathology, 3:55 p.m., 213 Buckhout. Laurie Morelli on M.S. Thesis Research.

Tuesday, Apr. 12

Organic/Inorganic Chemistry, 12:45 p.m., S5 Osmond. V. Dang.

Environmental Pollution Control, 2:20 p.m., 124 Sackett, P.H.B. Norton, rural sociology extension, on "Involving the Public in Hazardous Waste Management Decisions."

Chemical Engineering, 3:45 p.m., 140 Fenske. James A. Spear, General Motors Research Laboratories, on "The Relationship of Oil Viscosity to Film Thickness in Engine Journal Bearings."

Science Alumni Colloquia Series, 4 p.m., 127 Sackett. Shmuel Winograd, IBM, Thomas J. Watson Research Center, on "Complexity, Algebra, and Signal Processing."

Wednesday, Apr. 13

Adult Education, noon, 101 Kern. Francis R. McKenna, education, on "Adult Education in the Soviet Union."

Science Alumni Colloquia Series, 4 p.m., 117 Human Development. Shmuel Winograd, IBM, Thomas J. Watson Research Center, on "The Asymptotic Complexity of Matrix Operations."

Thursday, Apr. 14

Ceramic Science, 11 a.m., 301 Steidle. Da Yu Wang, CTE Laboratories, on "Electrical Properties of Doped Ceria."

Chemistry, 12:45 p.m., S5 Osmond. Robert E. Wyatt, Univ. of Texas, on "Recent Theoretical Studies of the F-H₂ Reaction."

Anthropology, 3 p.m., 206 Chambers. Bruce Winterhilder, Univ. of North Carolina, on "Stalking and Optimal Foraging Model."

Aesthetics, Criticism and Interpretation Theory, 3:45 p.m., 221 Chambers. Murray Schaffer, composer, on "On Tuning the World."

Physics, 3:55 p.m., S5 Osmond. H. Segur, Aeronautical Research Assn. of Princeton, on "Solitons in Shallow Water."

Acoustics, 4 p.m., Applied Research Lab. John Clements and Walter Hauck on "Demonstration of the Effects of Quantization Error and Sampling Rate in the Digitization of Music."

Science Alumni Colloquia Series, 4 p.m., 102 McAllister. Shmuel Winograd, IBM, Thomas J. Watson Research Center, on "Hecke's Reciprocity Theorem and the Cooley-Tukey Algorithm."

Landscape Architecture, 8 and 26 Mineral Sciences Bldg. Joseph L. Sax, Univ. of

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Michigan, on "The National Parks: Artifact of American Values."

Friday, Apr. 15

Chemistry/Pittsburgh Conference lecture, 10 a.m., S5 Osmond. Janet Oiseryung, S.U.N.Y., on "Developing an Analytical Method."

Learning and Telecommunications, 2:30 p.m., 8 Mitchell. Gary Perdue will present a program from the series *Through the Genetic Maze*.

Monday, Apr. 18

Entomology, 3:50 p.m., 215 Armsby. Ronald J. Eytton, geography, on "Spatial Data Processing in Cartography and Remote Sensing: Potential for Agricultural Application."

Plant Pathology, 3:55 p.m., 213 Buckhout. Robert C. Lamb, Virginia Polytechnic Institute and State Univ., on "Recent Developments and the Future of Disease Management of Ornamental Production."

Tuesday, Apr. 19

Environmental Pollution Control, 2:20 p.m., 124 Sackett, J. Blazovsky, P.E., T. Giddings Assoc., on "Placement of Asphaltic Liners for Sanitary Landfills."

Chemical Engineering, 3:45 p.m., 140 Fenske. William J. Koros, North Carolina State Univ., on "Fundamental Principles of Permeative Membrane Processes for Separation of Multicomponent Gas Mixtures."

Thursday, Apr. 21

Ceramic Science, 11 a.m., 301 Steidle. Robert Sundahl, Bell Labs.

Chemistry, 12:45 p.m., S5 Osmond. Bruce R. Kowalski, Univ. of Washington, on "Intelligent Chemical Instrumentation."

Anthropology, 3 p.m., 206 Chambers. Roy A. Rappaport, Univ. of Michigan, on "The Construction of Time and Eternity in Ritual."

History, 3:30 p.m., 124 Sparks. Paul Harvey, history, on "Working the Fugitive: Slave Penal Labor in Ancient Mediterranean Societies."

Physics, 3:55 p.m., S5 Osmond. J.P. McTague, Brookhaven National Laboratory, on "Physics Research in the National Synchrotron Light Source Facility."

Acoustics, 4 p.m., 16 Hammond. David Kahn on "Techniques in Scale Modeling for Architectural Acoustics."

Exhibits

Chambers Gallery

Gallery Hours: Monday through Friday, 9 a.m.-5 p.m.; Saturday and Sunday, 1-5 p.m.

Paper Images II.

HUB Gallery

Gerald Lang, recent photographs in silver and platinum.

The Bowing Gallery: Tim Arnold, an exhibition of wood inlays.

Art Alley: Slavic Folk Festival Exhibit.

Kern Gallery

Art from Australia.

Museum of Art

Museum Hours: 11 a.m.-4:30 p.m. Closed Mondays: Tours, Sundays, 1:30 p.m.

Selections from the Museum's Collection. Indian Art from the Collections of the Herbert F. Johnson Museum of Art, Cornell University and Penn State's Museum of Art, opens April 10.

Richard Mayhew, recent paintings, opens April 17.

Pattee Library

West Pattee Gallery: Anne Mancini, photos, through April 14.

Lending Services Lobby: Mixed Media Works by Center County Women, April 10-16; Laura Keith, photos, opens April 18.

East Corridor Gallery: Thomas Carney and Peter Lucchetti, printmaking.

Black Studies Room: Anthony Brown, passionist drawings and paintings.

Rare Books Room: Jorge Luis Borges, an exhibit in honor of his visit.

Zoller Gallery

Gallery Hours: Monday through Friday, 9 a.m.-3 p.m.; Saturday and Sunday, 1-5 p.m.

MFA Exhibitions: Brent Oglesbee, ceramics; Nathan Goodson, sculpture, through April 17.

MFA Exhibition: A.R. Al-Wakil, sculpture, opens April 20.

Focus on the arts: April's schedule

Museum director retires

"I arrived when the building was a-building," is how William Hull describes his introduction to the arts scene at the University.

The building under construction was the Museum of Art and Mr. Hull came to the campus as its first director in 1971.

Building the Museum collection has occupied much of Mr. Hull's attention. With the notable exception of the Henry Varnum Poor frescoes on the walls of Old Main, Penn State owned little art prior to the opening of the Museum. Moreover, from the start the Museum's budget has never provided for art purchases. Thus, it fell to Mr. Hull both to choose and to finance the permanent collection.

Today the collection has more than 1,500 pieces and is broadly based, including many different styles, periods, and media.



William Hull

Mr. Hull, who retired April 1, describes his acquisition style as "dealer oriented," explaining that art dealers "know not only what is for sale on the market, but, more importantly for us, they know who has what to give away."

Mr. Hull credits two other important sources of support in building the Penn State collection. University President Oswald has channeled unrestricted gift monies to the Museum for occasional "exceptional buys," and the Friends of the Museum of Art, an independent group that Mr. Hull helped to establish, makes annual purchases for the permanent collection.

It was in New York state that Mr. Hull first became professionally involved in the arts and rose to national prominence as an arts administrator. His growing interest and knowledge gained him a seat on the board of Syracuse's Museum of Fine Arts and an offer, in 1957, to direct the Museum. When it merged with the Everson Museum in 1959, he stayed on as director of the combination, also called the Everson. In 1961 he joined the staff of the newly formed New York State Council on the Arts.

He was associate director of the New York Council when he accepted a post as the first executive director of the Kentucky Arts Commission in 1966. The chairman of the Kentucky Commission at that time was Mrs. Rosalind Oswald.

He is a native of Washington state and was graduated from Washington State University with a degree in foreign languages.

Mr. Hull has a large private collection of ceramics and has written and lectured extensively on that art form, activities that he plans to continue in retirement. He and his wife, Carolyn, have one daughter, Margherita, who lives and works in New York City.

Dance Company Concert

The Contemporary Dance Company, sponsored by the College of Health, Physical Education and Recreation, will

present a spring concert at 8:30 p.m. Friday, April 8, and at 2:30 and 8:30 p.m. Saturday, April 9, in Eisenhower Auditorium.

The concert will mark the tenth anniversary of the company. Former members will return from all over the United States to participate. Saturday afternoon's performance will include the former company members in a dance improvisation with the current members.

Several former members of the Company have gone on to become members of professional dance troupes, including the Louis Falco Company and the Twyla Tharp Dance Company.

The concert will feature dances choreographed by assistant directors Kathy Short and Deborah Bresett Whelan, as well as Patricia Heigel-Tanner, director and cofounder of the company. Lynne Anne Blom, a former faculty member who helped start the company, has presented one of her original pieces of choreography as an anniversary gift.

Dancers in the company are: Ruth Anderson, Jennifer Bloso, Roberta Kjelgaard, Chris Nichols, Gwen Welliver, all of State College; Liz Limons, Bethlehem; Drew London, Philadelphia; Michelle Merit, Uniontown; Kerri Watt, West Chester; Stephen Hancock, Louisville, Ky.; Kathy Short, Erie, and Deborah Bresett Whelan, Bloomsburg.

Tickets for the performance are on sale at the Eisenhower Auditorium box office. For information call 814-863-0255.

Artists Series program

The Artists Series will present British actress Prunella Scales in "An Evening with Queen Victoria," at 8:30 p.m. Saturday, April 9, in Schwab Auditorium.

The one-woman performance, accompanied by music, is a portrait of Queen Victoria drawn from her own words — her diaries, letters, and other writings. The audience glimpses Victoria through more than 70 years of her life including her experiences as a small child, a young Queen at her Coronation, as a wife and mother, matron and widow and empress. The play reveals Victoria as a contradictory and sometimes surprising person, vivid and emotional, yet nervous and self-doubting, puritanical yet pleasure loving.

The music presents pieces heard and enjoyed by Victoria herself, many of which are unknown today. The songs are sung by the well-known tenor, Ian Partridge, accompanied by pianist Richard Burnett who will play on a highly decorated 19th century piano.

Prunella Scales is best known to American audiences for her role as Sibyl in the BBC comedy "Fawlty Towers" seen on PBS. In 1981 she appeared in *Quartermain's Terms* directed by Harold Pinter. Her latest film credits include *The Boys from Brazil* and *The Hound of the Baskervilles*.

Miss Scales trained at the Old Vic Theatre School and with actress Uta Hagen in New York. She has worked in repertory at Salisbury, Oxford, the Bristol Old Vic, Stratford-upon-Avon, and the Chichester Festival Theatre. She toured Australia and the Far East for Prospect Productions, and Canada for the Royal Shakespeare Company.

Ian Partridge is a lyric tenor, who has performed throughout Europe and the United States. He has received wide acclaim for his interpretation of German, English and French songs and for his performance of the Evangelist role in the two Bach Passions.

Richard Burnett is a well established soloist and chamber musician. He specializes in playing early historical pianos and has collected these keyboard instruments for his own museum in Kent. He has appeared at most leading British festivals and has performed extensively in Europe and North America.

Tickets are now on sale at the

Eisenhower Auditorium box office weekdays, 9 a.m. to 4 p.m.

Organist in recital

The State College Chapter of the American Guild of Organists and the School of Music will present organist and author Peggy Kelley Reinburg in two events April 8 and 9 on the University Park Campus.

At 8:30 p.m. Friday, April 8, Ms. Reinburg will perform a recital of organ works spanning nearly four centuries, including works by Gullian, Saint-Saens, Langlais, Roberts, Rorem, Post, Brahms and J.S. Bach in the Music Building recital hall.

At 10 a.m. Saturday, April 9, also in the recital hall, she will present a slide-lecture entitled "Arp Schnitger, Organ Builder: Catalyst for the Centuries," which also is the title of her recent book.

Ms. Reinburg is the American artist representative for the Alfred Fuhrer Orgelbau of Wilhelmshaven, West Germany. She is currently a member of the faculty at several campuses of the Northern Virginia Community College and lectures independently on organ history, design and literature, having served previously on the faculties of George Washington University, George Mason University and Mary Washington College.

She received the master of music degree in church music and musicology from Northwestern University School of Music in 1966 following graduate study at the School of Sacred Music of Union Theological Seminary in New York.

High School Festival

The School of Music will host the annual High School Solo and Ensemble Festival at 9 a.m. Saturday, April 9, in the Music Building.

Students who participate will receive Certificates of Participation and critiques of their playing, and a rating by the School of Music faculty judges. Application and registration information is available at 863-3550.

Museum art exhibit

A special exhibit of art from India will open on April 10 at the Museum of Art. The exhibit, featuring miniature paintings and sculptures, has been prepared in cooperation with the Herbert F. Johnson Museum of Art at Cornell University.

The Johnson Museum has loaned over twenty objects from its extensive collection of Indian art for this exhibit. Included are several miniature paintings that date principally from the eighteenth and nineteenth centuries, and sculptures that

range in date from the second to the seventeenth centuries.

On view for the first time at Penn State will be two carved portal sculptures from a temple complex in Samath, India, one of which is a recent acquisition by the Museum of Art. The other is owned by the Johnson Museum, and both institutions have agreed to show the pair together in turn.

The exhibit will be on view through June 19.

Argentine writer to visit

Jorge Luis Borges, 83, of Argentina, one of the most influential writers living today, will visit the University Park Campus April 11 and 12.

He will address the Comparative Literature Luncheon at 1 p.m. April 11 and will lecture on writers and writing and "read" from his work at 7:30 p.m. in Room 101 Kern Bldg.

Although blind since the 1950s, he continues to write, travel and talk about writing. He's been nominated for the Nobel Prize 19 times, but has never received the award.

The Institute for the Arts and Humanistic Studies and the Graduate School are sponsoring him as a Visiting Fellow and Graduate School lecturer.

Pianist to perform

Graduate pianist LuAnn Grimm will perform in recital at 8:30 p.m. Monday, April 11, in the Music Building recital hall. She has been teaching privately in the Altoona area since her graduation from Houghton College, NY, in 1978. As a graduate assistant, she teaches both class and private piano.

Alard in concert

The Alard Quartet, assisted by Sylvia Glickman - piano, will perform at 8:30 p.m. Wednesday, April 20, in the Music Building recital hall.

In the continuing celebration of the Brahms/Haydn anniversaries years, the program will include three works by Brahms, his *String Quartet in C minor, op. 51, no. 1*, the *op. 120 Sonata for Viola and Piano* and the *Piano Quartet in A major, op. 26*.

Sylvia Glickman is a pianist-in-residence at Haverford College where she directs the chamber music program. She has performed extensively with the Alard Quartet, and with them has recorded the Bartok Quintet on Leonarda. With the Alard Quartet and flutist Diane Gold, she is a founding member of the Pennsylvania Chamber Players. Her participation in the program is supported by the Institute for the Arts and Humanistic Studies.



Contemporary Dance Company's 'Was Prayer.'

offers a variety of entertainment

Bach's Lunch program

Following is the schedule for the Bach's Lunch Recital program which offers free concerts at noon Tuesdays in Eisenhower Chapel.

April 12 — The Hi-Lo's; April 19 — The PSU Percussion Ensemble; April 26 — organ recital by Anita Bealer.

The half-hour recitals are followed by a bag lunch in the informal lounge of the Chapel with beverage provided. The series is sponsored by the School of Music and the Lutheran Campus Ministry.

Chambers lectures

Chambers Gallery will host three spring lectures featuring photographer Jerry N. Uelsmann, printmaker Curtis Rhodes and sculptor Roland Reiss.

The Uelsmann lecture will be held at 7:30 p.m. Tuesday, April 12, in Room 102 Chambers.

Mr. Uelsmann currently is a graduate research professor at the University of Florida in Gainesville. He has exhibited his work publicly since 1960 throughout the United States. He has had several published works concerning his photography, including *Eight Photographs: Jerry Uelsmann by Doubleday & Co., NY*.

Printmaker Rhodes will lecture at 7:30 p.m. Tuesday, April 19, in Room 101 Chambers. He currently is chairman of the Print Media Division at the Western Michigan University Department of Art. He has been a professor there since 1980.

Professor Rhodes has exhibited his work since 1959, and has directed and coordinated numerous projects since 1975.

The Reiss lecture will be held Thursday, May 5, in Room 102 Chambers. He currently is chairman of the Department of Fine Art, Claremont Graduate School in Claremont, California. Mr. Reiss received his bachelor and master of arts from UCLA in 1955 and 1957, respectively.

Mr. Reiss, the recipient of 40 prizes and awards for painting and sculpture, has exhibited extensively in exhibitions and one-man shows throughout the United States and Canada and Europe.

Bracken Lecture set

Professor Joseph L. Sax, the fourth speaker in the Landscape Architecture Department's 1982-83 Bracken Lecture Series, will discuss "The National Parks: Antifac of American Values" at 8 p.m. Thursday, April 14, in Room 26 Mineral Sciences Bldg.

Mr. Sax is professor of law at the University of Michigan. His career in environmental law reflects his strong concern for America's natural resources. He received the Conservationist of the Year Award from the Audubon Society in 1981, and is the author of *Defending the Environment and Mountains Without Handrails*.

Lecture on photography

William C. Darrah, professor of biology emeritus at Gettysburg College, will present an illustrated lecture on "Cartes-de-Visite Photographs, A Mirror of the Social Scene" at 8 p.m. Thursday, April 14, in Room 101 Kern Bldg.

Although a botanist and geologist by profession, Professor Darrah has, as an avocation, been researching nineteenth century commercially produced card-mounted photographs. His studies in this field have spanned almost forty years and have resulted in the publication of *World of Stereographs* in 1977 and more recently a companion volume, *Cartes-de-Visite in 19th Century Photography*.

Between 1860 and 1900 cartes-de-visite were the most influential and diverse type of photograph produced. The format revolutionized the business and profession

of photography and brought about a far-reaching social revolution.

Professor Darrah's lecture is part of the 1983 History of Photography Events and is sponsored by the Institute for the Arts and Humanistic Studies.

Cohan musical set

The University Resident Theatre Company will present George M. Cohan's musical, *Forty-Five Minutes From Broadway*, April 15-17, 20-24 and 27-30 at the Playhouse Theatre on the University Park Campus.



Gerald Lang photo in current HUB Gallery exhibit.

The show combines the uproarious fun of a turn of the century melodrama set to the music of the consummate songwriter of his day, George M. Cohan, who wrote in a number of popular styles.

Hard to forget, and easy to sing, the songs teach an American patriotism. The original 1906 version starred Fay Templeton and Victor Moore and was a success from the day it opened.

The URTC version of *Forty-Five Minutes From Broadway* has been adapted by Dr. Lowell L. Manfull, professor of theatre arts. Dr. Manfull has enhanced the original text with various vaudeville sketches and other songs written by George M.

The musical is directed by Dr. Helen A. Manfull, associate professor of theatre arts. Dr. Lowell Manfull and Dr. Helen Manfull are husband and wife, pooling their talents to bring audiences an evening of laughter and song.

The production stars a fifteen-member student ensemble, including: Marcy McGuigan, Catherine Dupuis, Jim Ream, Scott Edmiston, D. John Heffron, Greg Henry, David Rame, Claire Cornish, Celia D. Shuman, Michele Valence, Vicki Lee Wahlbach, John E. Brady, Peter Downing, Jeff Kramer, and Diann Christianson.

Tickets and information may be obtained from the Playhouse Box Office or by calling 865-1884.

Blue Band Concert

The School of Music will present the Symphonic Blue Band in its annual Spring Concert at 3:30 p.m. Sunday, April 17, in Eisenhower Auditorium on the University Park Campus.

The Symphonic Blue Band, under the direction of Dr. Ned C. Deihl and graduate assistant Richard Bundy will feature Penn State faculty soloist Robert Howard in the Hummel *Concerto for Trumpet*. Works by Percy Grainger, Vaclav Nellyhybel, and Sir Arthur Sullivan, along with concert marches and a flute choir work, will comprise the remainder of the program.

Mr. Howard, trumpet instructor, is a graduate of Oberlin College Conservatory of Music and the University of Michigan with his master of music degree in trumpet performance.

Mr. Howard has performed as soloist several times with the Detroit Symphony,

and performed recitals in Michigan, Ohio and Pennsylvania, and contemporary music recitals in 1978 and 1979 in Europe.

Mayhew painting exhibit

Recent paintings by Richard Mayhew, professor of art, will be exhibited at the Museum of Art April 17 through June 19.

Fundamental to Richard Mayhew's art is an absorption in landscape, an interest which he traces back to his early teachers and the influence of American Impressionist and Hudson River painters.



The paintings in this exhibit are based for the most part on scenes of Pennsylvania landscape, and all were made in 1982 and 1983.

With a palette ranging from soft greens and browns to hot pink and orange, the use of color to suggest atmosphere and forms in space is an important aspect of Mayhew's work. He is especially interested in the moods evoked by nature at different times of the day and different times of the year.

Richard Mayhew, a faculty member at Penn State since 1977, also has taught at Pratt Institute, Smith College, Hunter College and Sonoma State University in California. His paintings have been exhibited in museums and galleries throughout the country, and he is represented in numerous private, public and corporate collections.

Soprano in recital

Soprano Kim Kronenberg, in her degree recital, will perform at 8 p.m. Sunday, April 17, in the Music Building recital hall.

Miss Kronenberg will include works by Lester Trimble, Mozart, Faure and groups of Contemporary and Baroque religious songs, and Mignon Lieder by Schubert, Schumann and Wolf. She will be accompanied by pianist Jill Olson, and assisted by flutist Debra Dorman and clarinetist Evelyn Ellis.

Poet to read his work

Seamus Heaney, one of the major living poets in any language, will give a public reading of his poetry at 8 p.m. April 21 in Room 101 Kern Bldg.

The late Robert Lowell called him the greatest Irish poet since Yeats. Mr. Heaney is author of six books of poetry: *Death of a Naturalist*, *Door into Dark*, *Boy Driving his Father to Confession*, *Wintering Out*, *North and Field Work*.

Born on a farm between Belfast and Derry, he was the eldest of nine children. Since his first book of poetry was published in 1966, he has won recognition with the Eric Gregory Award, the E.M. Forster Award, the American Irish Foundation's Literary Award, the Irish Academy of Letters Award, the 1976 W.H. Smith Annual Literary Award for North, Somerset Maugham Award and the Duff Cooper Award.

He teaches at Harvard University. His visit to the University is sponsored by the Institute for the Arts and Humanistic Studies and the Department of English.

Violinist to perform

The School of Music will present graduate violinist Cheryl Van Buren in recital at 8:30 p.m. Monday, April 18, in the Music Building recital hall.

Miss Van Buren will play works by Handel, Bartok, Janacek and Beethoven accompanied by graduate pianist Mark Christopoulos.

Miss Van Buren is a member of the Atherton Quartet of State College, and formerly of quartets in New Jersey. She graduated from Cherry Hill (NJ) High School East in 1976, and from Princeton University with her A.B. degree in 1980. She currently is a member of the Penn State Symphony Orchestra and Musica da Camera, with a graduate assistantship in performance and ensemble management.

Australian Festival

The Australian Studies Center is sponsoring an "Australian Film and Theater Festival" through April 17 at the Kern Graduate Commons Theater.

Accompanying the festival is an exhibition of Australian Aboriginal Arts and Crafts, made available through the Australian Consulate-General in New York City.

At 8 p.m. April 14, 15, 16 and 17, the Center will present a program of two Australian one-act plays in the Kern Theater. The plays, "The Christian Brothers" and "Mates," have been cast from the Department of Theatre and Film. Information on the film titles and schedule of showings may be obtained by contacting the Australian Studies Center, 863-1591.

Piano recital slated

Undergraduate pianist Elizabeth Grove will present a recital at 1 p.m. Tuesday, April 19, during the Common Hour in the Music Building recital hall.

The recital, which will include works by Chopin, Beethoven and Debussy, is being performed in partial fulfillment of the requirements for the bachelor of music degree in performance.

Photography exhibit

Gerald Lang, associate professor of art, is currently having a one-man exhibition of recent photographs in silver and platinum in the Gallery of the Hetzel Union Building. The show will run through April 22. Gallery hours are from 11 a.m. to 4 p.m.

Lang, who joined the faculty in 1969, has exhibited his work throughout much of the northeast since 1964, including the Chicago Art Institute, Walrus Gallery in Philadelphia, and Pratt Institute and the Library of Congress in Washington, D.C. He also has exhibited at The Museum of New Mexico in Santa Fe.



Robert Howard (left) and Dr. Ned Deihl prepare for Blue Band concert.

Faculty/Staff Alerts

Tax deferred annuity

Each regular, full-time faculty and staff member is eligible to participate in a program which permits setting aside up to approximately twenty percent of his or her salary through payroll deduction for savings or retirement income and deferring Federal Income Tax obligation for the amount.

Currently, nearly 1,600 faculty and staff members are participating in this savings program, known as a tax deferred annuity plan. Employees can choose plans available from three companies: The Equitable Life Assurance Society, the Variable Annuity Life Insurance Co., and The Teachers Insurance and Annuity Association.

These three companies offer a wide variety of investment options as follows. The Equitable Life Assurance Society offers tax deferred investments in fixed annuities (guaranteed accounts), variable annuities (common stock accounts), and money market accounts. The Variable Annuity Life Insurance Co. also has fixed annuities, variable annuities and money market funds, as well as bond funds. The Teachers Insurance and Annuity Association provides fixed annuities and variable annuities.

All three companies allow transfer of funds among the accounts they offer. There are various conditions relating to the transfer and withdrawal of funds which should be examined carefully. The variety of investment funds offered by these three companies allows faculty and staff members a great deal of flexibility in setting up their own tax deferred plan.

In addition to these tax shelter programs, Pennsylvania Act 284, which was signed by Governor Thornburgh on Dec. 15, 1982, retroactive to Jan. 1, 1982, causes faculty and staff members' contributions to the State Employees' Retirement System (SERS) to be deferred from federal income tax. Faculty and staff members who choose to participate in the alternate retirement plan offered through Teachers Insurance and Annuity Association (TIAA) always have had the choice of deferring taxes on their contributions to the TIAA retirement system.

Faculty or staff members who participate in The Applied Research Laboratory, Federal, or Public School Employees Retirement Plans may also defer taxes on

up to approximately twenty percent of gross salary, since their retirement contributions are not subject to tax shelter.

The services of the Internal Revenue Service (IRS) Regulations which permit the tax shelter for the SERS and the TIAA Retirement Systems are different and, therefore, in order to estimate the approximate amount which you may shelter under each system you should:

1. Under the SERS, multiply your salary by five percent to determine your sheltered employee contribution. Then subtract the amount of your five percent annual contribution from your gross salary and then multiply the remainder by twenty percent. For example, a \$20,000 annual salary would be calculated as follows:

\$20,000 x .05 = \$1,000 (sheltered employee contribution)

\$20,000 - \$1,000 = \$19,000
\$19,000 x .20 = \$3,800 (additional amount that can be sheltered)

2. Under TIAA, if you have elected to tax shelter your contribution, multiply your salary by five percent to determine your sheltered employee contribution. Then multiply your gross salary by the University's contribution, presently 7.83 percent, add the resultant to your gross salary and multiply by 20 percent. Next, subtract the employer plus employee contribution. The remainder is the additional amount you may tax shelter. For example, the tax shelter on a \$20,000 annual salary would be calculated as follows:

\$20,000 x .05 = \$1,000 (sheltered employee contribution)

\$20,000 x .0783 = 1,566 (University's contribution)

\$20,000 + 1,566 = \$21,566 (new gross)

\$21,566 x .20 = \$4,313

\$4,313 - (1,566 + 1,000) = \$1,747 (additional shelter permitted)

The provision of the tax shelters permitted under IRS Regulations for employees of education institutions and certain other nonprofit institutions is less restrictive than the much publicized Individual Retirement Accounts (IRA) which are available to any wage earner.

If you are not presently utilizing this tax shelter benefit available to you as a member of the faculty or staff or you desire to increase your participation, you may secure additional information from The Employee Benefits Division, Room

133 Willard Bldg. (814) 865-1473. This office can provide general information about any of the three companies previously described. The Teachers Insurance and Annuity Association does not have a local representative. The Equitable Life Assurance Society is represented by J. Glenn Hawthorne, 301 S. Allen Street, State College, (814) 238-0664. The Variable Annuity Life Insurance Company is represented by T. Bryant Mesick, 706 N. Allen Street, State College, (814) 237-0586, and John Wolanski, State College, (814) 238-0143.

Faculty and staff members away from University Park should direct their inquiries to their campus business manager or personnel representative, or The Employee Benefits Division (Network: 475-1473).

Disability protection plan

Many of the 5,300 faculty and staff members who are members of the TIAA Retirement Plan, or who have less than five years of service in one of the other retirement plans, have been very slow in returning their votes for the proposed Long Term Disability Plan Coverage.

As of March 23 only 62 percent of those eligible had returned their preference cards. Therefore, the plan could not be implemented effective April 1, 1983, as originally planned.

Based on an analysis of those votes returned, it appears that there is little likelihood of receiving the necessary 75 percent participation of the total group eligible. However, it is very possible that the required 75 percent participation may be achieved from a group consisting of members of the TIAA Retirement System. Therefore, a second letter has been sent to the 800 plus TIAA faculty and staff members who have not yet returned their cards.

If you are one of the eligible faculty and staff members who received a packet of information explaining the Long Term Disability Income Protection Plan and a card to submit your option, and did not do so, please submit your card as soon as possible.

If you have questions about the plan, please contact your Business Manager, Personnel Representative, or the Employee Benefits Division, 865-1473.

Job openings attract many bidders

There still is very active interest from employees seeking to advance by promotion from within, according to

Robert L. Kidder, manager of the University's Employment Division.

Many of the more popular or higher level positions attract between 50 to 75 internal bidders.

Many factors contribute to this activity, says Mr. Kidder. Turnover continues to be extremely low. More employees than in years past are deciding to remain in the work force, so there is increasing interest in advancement. A number of families have become dependent on more than one income. Thus, there is active competition when openings occur.

According to Mr. Kidder, the problem is that for every satisfied job bidder, there obviously are going to be those who are disappointed because they weren't selected.

"Employees should not take such rejection personally," he says. "Obviously some employees may bid for positions for which they are not qualified. Many times, however, it's just that there is only one opening to be filled out of a field of many fine candidates. Employees should not be discouraged from future bidding, if they have bid on several jobs and have not been selected."

"One simply needs to read the regular 'Promotions' column in Intercom to see that the promotional opportunities situation is a healthy and active program."

Washington air service

In response to requests from faculty, staff, and administrators regarding the availability of air service between State College and Washington, D.C., the University has made arrangements for flights between University Park Airport and Dulles International Airport. The service will be offered on a trial basis from April 11 through June 29.

The air service will be available only to University faculty members, staff, administrators, and retirees. Fares will be \$149 round trip returning to University Park the same day of departure; \$80 one-way, either direction; \$160 round trip returning to University Park other than the day of departure.

One round trip will be made three days per week on Monday, Wednesday and Friday. Flights will depart University Park at 6:30 a.m. and arrive at Dulles at 7:35 a.m. They will depart Dulles at 5:55 p.m. and arrive at University Park at 7:05 p.m. Passengers must arrange for their own ground transportation.

(Continued on page 10)

Penn Staters

S. Ashok, assistant professor of engineering sciences, has been chosen as a Humboldt Fellow by the Alexander von Humboldt Foundation of West Germany. As a Humboldt Fellow, Dr. Ashok will conduct research on semiconductor heterojunctions at the Institute for Semiconductor Electronics at Aachen (West Germany) Technical University.

Dr. Daniel J. Cosgrove, assistant professor of biology, was an invited speaker at the Royal Society Discussion Meeting on Photoreception in Plants in London, England. He discussed "Photocatalysis of Extension Growth: A Biophysical Approach."

Dr. Eric Feigelson, assistant professor of astronomy, presented a paper, "X-ray Emission from Young Stars and Implications for the Early Solar System," at the Symposium on Herbig-Haro Objects, T Tauri Stars and Related Phenomena in Mexico City.

T. Reed Ferguson, retired vice president for public affairs, has been awarded an honorary life membership by the State College Area Chamber of Commerce.

Dr. Gideon Golany, professor of urban and regional planning, has been appointed a member of the International Advisory Committee of the International Technical Cooperation Centre.

University track coach **Harry Groves** has been appointed to direct the United States team in the second annual USA-East Germany track and field dual meet June 25-26 at the Los Angeles Coliseum.

Dr. John J. Horan, professor of education, has received an award for authoring the most outstanding piece of research published in the counseling literature during 1982 from the Counseling and Human Development Division of the American Educational Research Association.

President-elect Jordan served as a member of the Corporation for Public Broadcasting's Task Force on Long-Range Financing for Public Broadcasting, which recently submitted its recommendations to the PBS board.

Rob Neffson, assistant professor of art, has been awarded a Pennsylvania

Council on the Arts Grant in the Visual Arts category to do his painting independently from April 4 to Aug. 31. Mr. Neffson also is having two one-man shows of his work: opening April 8 at the Capricorn Gallery in Bethesda, Md., and opening May 27 at the First Street Gallery in New York City.

Dr. Robert F. Nicely Jr., associate professor of education and coordinator of continuing education and community relations in the College of Education, has received the award of service from the Pennsylvania Council of Teachers in Mathematics for "Outstanding Service and Leadership to PCTM."

Dr. G.P. Patil, professor of mathematical statistics, has been appointed to the Steering Committee of the Indoor Air Quality Program of the Gas Research Institute, a nonprofit scientific research organization.

Stephen D. Tubbs, assistant professor of engineering at the McKeesport Campus, has been elected a Senior Member of the Institute of Electrical and Electronics Engineers (IEEE). Senior Member is the highest professional grade for which

application may be made, with only some 10 percent of the more than 230,000 IEEE members having been elected to this grade.

Richard W. Pencek, assistant professor of physical education and American studies, was the primary speaker at the Middle Atlantic region meeting of the American Culture Association held in March at Mount Saint Mary's College, Emmitsburg, Md. He delivered a paper on the analysis of interior woodwork of 19th century Pennsylvania farm houses.

Wade Saunders, assistant professor of art, has been awarded a Pennsylvania Council on the Arts Grant in the Visual Arts category to do his sculpture independently from Feb. 1 to Aug. 31. Mr. Saunders is showing his work, "Five Philadelphia Sculptors," at the Karen Lennox Gallery in Chicago through April 15.

Dr. Alice M. Schwartz, professor of art education, has been selected as the Art Educator of the Year for the state of Pennsylvania by the National Art Education Association.

Partings

Dora G. Ream, administrative assistant at the York Campus, retired April 1 after 26 years of University service.

"Mrs. Ream has had as much knowledge of the development of our campus as anyone," Edward M. Elias, campus director, said. "She outdates any of our faculty or staff members in years of University service."

Mrs. Ream joined the campus in 1957 and, as the only full-time secretary, assisted with academic, financial, scheduling, registration and extra-curricular duties, provided all secretarial services, ran the campus bookstore, and even filled in as the back-up cook when the cafeteria worker didn't come to work.

York's student population grew by leaps and bounds during the 60's and 70's as did its facilities and staff, and Mrs. Ream served as office manager to the expanded secretarial staff. Her role as campus financial officer also grew.

She was appointed administrative aide in 1976 and in 1982, coinciding with her 25 years of University service, was promoted to administrative assistant. In much of her work with campus budgets and student accounts, she has utilized a new computer system which York is piloting for the University.

"Mrs. Ream is considered one of the best in the entire University system in the field of budget control," Mr. Elias said. "She has brought to her position an expertise comparable to that of a highly educated, trained individual."

Mrs. Ream plans to continue her commitment as secretary for North York's Borough Council, where she has served



Dora G. Ream

for 10 years. She and husband, Jack, recently retired from St. Regis, York, plan time for travel and for their three grandchildren. The Ream's son, Jack Jr., is a York attorney.

Newton J. Bair, Extension agent, Agriculture, from Jan. 3, 1972, to April 1.

Grace E. Dorman, residence hall worker, Housing and Food Services, from Sept. 24, 1970, to April 1.

P. Ruth Macrae, secretary, Science, from Oct. 1, 1968, to April 1.

Harold E. Pfeiffer, financial officer for the College of Agriculture, Controller's Office, from July 1, 1964, to April 1.

Marjorie A. Taylor, manager, Housing and Food Services, Behrend College, from March 1, 1971, to April 1.

Paul R. Wilson, research machinist, Engineering, from Jan. 22, 1973, to April 1.

Obituaries

Edna Ella Sommerfeld, professor emerita of human development, died March 25 at the age of 79.

Miss Sommerfeld received her bachelor of science degree in home economics from North Dakota State University and her master's in administration of adult education from Teachers College, Columbia University.

She began her career as extension specialist in clothing at North Dakota State University and continued with similar work at the University of Vermont. She came to Penn State from the extension service faculty of Michigan State University in November, 1958. She retired Sept. 1, 1969.

She had been secretary and executive board member of the Adult Education Association of the United States and of the Council of National Organizations for Adult Education. She was a member of a number of honorary societies, the Pennsylvania and American Home Economics Association, and the International Federation of Home Economics.

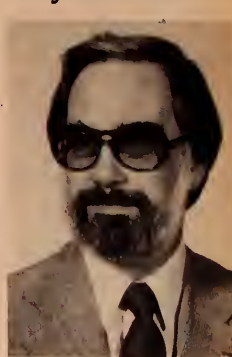
James A. Glaze, security guard in Applied Research Lab; dining hall worker in Housing and Food Services, and groundskeeper and group leader, area landscape maintenance in Physical Plant from Feb. 2, 1967, until his retirement Jan. 1, 1983, died March 30. He was 54.

James I. Gray, houseman in Housing and Food Services, from July 1, 1949, until his retirement May 1, 1966, died March 28 at the age of 82.

Emma R. Granger, assistant supervisor in Housing and Food Services from Feb. 1, 1931, until her retirement July 1, 1952, died March 20. She was 91.

Joseph J. Marince, janitorial worker in Physical Plant from March 7, 1962, until his retirement July 1, 1974, died March 18 at the age of 73.

25-year award



Charles E. Williams Jr., coordinator of communications at the Hershey Medical Center, has observed 25 years of service to the University.

With Math awards

Wells, Glaser are honored

Dr. Robert Wells, associate professor of mathematics, and Dr. Anton Glaser, professor of mathematics at the Ogonitz Campus, are recipients of the 1983 Teresa Cohen Mathematics Service Awards.

Dr. Cohen, professor emerita of mathematics, for whom the cash awards are named, has taught mathematics at the University for 63 years — the last 21 as an unpaid volunteer tutor. She officially "retired" in 1962 and celebrated her 91st birthday on Feb. 14.

Dr. Wells was cited by several nominators for his "excellent and selfless participation in research activities" and for his "outstanding qualities of intellectual leadership." Another nominator said, "He is a total mathematician, ready to explore all aspects of mathematics without exclusion."

Dr. Wells joined the Penn State faculty

in 1971. He served previously at the University of Chicago. A magna cum laude graduate of Harvard College, he earned his master's and doctoral degrees at Princeton University.

Nominators of Dr. Glaser noted that "His interest in his students and his constant desire to experiment and use different techniques and visuals have kept his teaching alive and most interesting." Another said, "We feel that Professor Glaser exemplifies a Commonwealth Campus faculty member. He represents us extremely well with the University and in the community at large."

Dr. Glaser joined the University faculty in 1962. A graduate of Temple University, he earned his M.Ed. degree at Penn State and his D.Ed. degree at Temple.

The Cohen awards are made annually to one faculty member from University Park

and another from a Commonwealth Campus. Selection is made by a committee of former recipients of the award and the head of the department. Nominations can be made by any mathematics faculty member or student.

Stone Valley opens

The Stone Valley Recreation Area officially opened for the 1983 season on Saturday, April 2. Park hours are from 7 a.m. to 7 p.m. Boat rentals on weekends are from 9 a.m. to 7 p.m. and on weekdays 11 a.m. to 7 p.m.

Visitors are reminded that pets and alcoholic beverages are prohibited.

Two sections of group sailing instruction will be offered this spring with one section starting April 2 and the other, April 3. Private lessons are available by appointment.

For further information about Stone Valley and its facilities call 814-238-5872.

Faculty/Staff Alerts

(Continued from page 10)

Washington air service

Flight reservations are to be made at the University Park Airport, phone 355-9597. Any cancellations must be made by 4 p.m. of the regular working day prior to the day of the flight.

Passengers are to assemble at University Park in the Airport Administration Building no later than 6:15 a.m. For the return trip from Dulles, passengers should be at the Dulles Air Terminal no later than 5:45 p.m.

The service will be evaluated at the end of the trial period to determine if it is economically feasible to continue. Additional information on flight arrangements may be obtained at the University Park Airport, 355-9597.

Elsewhere in Academe: higher education issues

Second in a series SUMMARY RECOMMENDATIONS: Enhancing Quality and Strengthening Finance

In its report, the National Commission on Higher Education Issues notes that more money does not always mean higher quality and less money does not necessarily reduce quality.

In the face of budgetary stringency, good institutions will be able to protect those activities of highest quality and relevance to their mission while deciding which other activities to eliminate. Nonetheless, quality is directly affected by not only the level but also the sources and stability of funding.

The Commission recommends that those who allocate public funds provide incentives for efficient resource allocation and systematic evaluation of educational and managerial effectiveness. The federal and state governments should take no steps that might impair the viability of this dual system in the years to come.

STATES

In addition to stable funding, the greatest contribution states can make to promote quality in the public institutions is to assure that their funding mechanisms are not overly enrollment-driven. Formulas based on enrollments provide little incentive to improve programs; similarly automatic year-end reversion of unexpended appropriations encourages spending and discourages both resource conservation and increased efficiency.

State legislatures should avoid line-item budgets, position controls, and other mechanisms that work against the general principle of institutional flexibility within the framework of accountability.

THE FEDERAL GOVERNMENT

A vital federal responsibility in higher education is to provide a student aid system that will assure access and choice to all qualified students. The Commission is pleased to note the bipartisan support for the federal role in providing student financial assistance and it recommends a continuing strong federal commitment.

Federal primacy in the support of basic and applied research in universities preceded the growth in the student aid system. The Commission recommends that the federal government assume a greater responsibility for the maintenance of research capabilities at our universities.

PRIVATE PHILANTHROPY

Though investment income and gifts may not be as large a proportion of the total resource base for higher education, they are indispensable and provide the vital margin for upholding quality in many of our colleges and universities.

The interdependence between higher education and the private business sector is much greater than is commonly recognized. Both business and higher education should recognize and act on the unrealized potential for enhanced cooperation and increased productivity.

STUDENTS AND FAMILIES

Over the next several years, it seems clear, the costs of higher education will continue to rise. Unless existing financing

sources are increased to meet these rising costs, fees will have to be increased substantially at both public and independent institutions. In that case, mechanisms will have to be available to assist families. Specifically, institutions, banks, and the government will need to provide additional funds for student aid, in the form of grants, work-study monies, and loan capital. The Commission expressed grave concern about the increasing number of graduating students who are burdened with heavy indebtedness for educational expenses.

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William E. Campbell, Jr., Editor
Deborah A. Benedetto, Assistant Editor
Calendar Editor — 865-2501

Faculty urged to contact firms for research support

Louis J. Robinson, director of university relations for IBM, advised Penn State administrators and faculty to identify faculty members doing research that might be of interest to industrial firms like IBM and to contact the firms for financial support.

Speaking before a group of University administrators, deans and faculty members, Dr. Robinson explored research and grant possibilities available from IBM to universities and institutions like Penn State.

Richard G. Cunningham, vice president for research and graduate studies, in opening the IBM presentation, said, "In the last five years, the industrial share of sponsored research at the University has increased from 8 to 13.5 percent."

"The University welcomes and strongly encourages this growth. The Office of Industrial Research and Innovation at Penn State has been successful in assisting companies wishing to establish contact with faculty researchers, and conversely."

Dr. Robinson said IBM is interested in establishing long-term, lasting relationships between its employees and people in universities and institutions.

"We're looking for basic research, not products, and we don't support every good idea — only what's of interest to our technology. IBM manages itself from the bottom up, not from the top down," he explained.

Researchers at IBM's 29 laboratories know each other, read each other's scholarly papers and meet colleagues working in the same area at meetings and colloquiums.

IBM decides how to allocate money to universities by asking its managers of science and technology departments to list the best university departments doing research in their fields.

Some of the areas of research IBM supports include engineering (generic, electrical, mechanical), physics, chemistry, mathematics, computer science and formal business and economic training.

IBM is interested in specific research areas: very large scale integrated circuits (VLSI), magnetics, computer-aided design, computer-aided manufacturing (CAD/CAM) systems, manufacturing engineering systems technology, management information systems (MIS),

materials science (thin films), computer literacy and education of secondary teachers.

"IBM is interested in supporting excellence and expects universities to put some of their own money into the same research areas," Dr. Robinson said.

He described three types of IBM programs: joint study contracts, fellowships and grants. IBM has 462 joint study contracts with 165 universities and spends \$70 million in support of research, he said.

Joint study contracts often are made when an IBM researcher and a university researcher find that they can advance the work they're doing with a partnership. Their dialogue evolves into a contract, Dr. Robinson said.

"The research we engage in is not an extension of our labs, but a partnership with universities already doing something in the same area."

IBM's fellowship program supports students working in science and engineering, he said. Students get \$10,000 a year plus tuition, and their departments receive \$2,000 in unrestricted money.

IBM has selected 200 fellowship recipients for 1983, double the number awarded in 1981. IBM managers participate in the fellowship program by naming the universities producing the best graduates in their fields. IBM then contacts the selected department chairmen and asks them to choose the students to receive fellowships.

"We don't interfere with the academic process," Dr. Robinson said. "We are concerned with maintaining academic freedom." IBM spent \$16 million on fellowships in 1981 and \$21 million in 1982 and will spend approximately \$26 million in 1983.

IBM also makes unrestricted grants to universities for research. "We don't expect anything in return for the grants," Dr. Robinson said. The only prohibitions placed on the grants are that the money not be used for bricks and mortar or to buy digital computing equipment.

Grant recipients are chosen in the same way as fellowship and joint study contract recipients, he said.

In the past, IBM has had a policy of not giving away equipment, just cash. Today, it is changing its policy for research

projects requiring IBM equipment. Universities will be able to get free equipment if they guarantee to support and maintain it.

IBM's policy on patents is to cross-

license all its agreements with other manufacturers. IBM never asks for exclusivity.

Of the 3,000 universities in the United States, IBM supports research at 300, Dr. Robinson said.



A hardy plant in the flower garden behind Boucke Bldg. awaits spring.

Photo: Scott Johnson

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff non-empt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 25-1387). Applications for these staff vacancies will be accepted until 5 p.m., April 14, 1983. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

● **Accounting Assistant, College of Medicine, Hershey** — Responsible to the chairman of the Department of Microbiology and director of the Cancer Center for the accurate and systematic accounting and maintenance of all departmental and Cancer Center fiscal transactions. Associate degree in accounting and one to two years of effective experience or equivalency.

● **Medical Social Worker I, College of Medicine, Hershey** — Responsible to the Social Services coordinator to serve as part of the health care team in providing practical help and emotional support to patients and their families and assume teaching and consultation function. Bachelor's degree in social work from an accredited college or university or a bachelor's degree with emphasis in human services field with one to two years' experience in social work, or equivalency.

● **Accountant, Cost, College of Medicine, Hershey** — Responsible to the supervisor, Third Party Reimbursement and Cost Accounting for the preparation of all third party cost reports and cost studies and maintenance of control on third party accounts receivables. A bachelor's degree in accounting or equivalency, plus two to three years experience in hospital cost reporting or hospital auditing.

● **Supervisor, Third Party Reimbursement and Cost Accounting, College of Medicine, Hershey** — Responsible to the director of Financial Affairs for the management of all cost accounting and third party reimbursement functions, monitoring and interpreting of all pertinent regulations and legislation and maintenance of controls on third party accounts receivables. A bachelor's degree degree in accounting, business administration or equivalency plus three to four years of hospital accounting experience with emphasis on cost and budgetary reports and control.

● **Personnel Coordinator, University Libraries, University Park** — Responsible to the administrative coordinator and the dean of Libraries for administering the personnel program in University Libraries. Principal responsibilities include recruitment, interviewing, evaluation of applicants; maintaining job classification system; administering personnel matters; administering non-academic performance evaluation programs; advising supervisors and employees; planning and conducting orientation programs; coordinating collection of reports; conducting meetings as appropriate; insuring University Libraries' compliance with University personnel policies and implementing the University

Affirmative Action Program. Bachelor's degree or equivalent preferably in management, plus one to two years of effective experience in personnel administration, labor relations, or related field, with knowledge of academic library administration and operation.

● **Building Inspector, Office of Physical Plant, University Park** — Responsible to the chief inspector, Office of Physical Plant Planning and Design, for the inspection of construction projects, and the day-to-day coordination of activities related to construction progress to assure that all work being performed and all materials incorporated into jobs are in accordance with plans and specifications. Associate degree or equivalent plus two to four years effective experience on building projects at a supervisory level.

● **Assistant Director of Personnel, College of Medicine, Hershey** — Responsible to the director of personnel for assisting with the administration of the Medical Center personnel program within University policy. Specifically responsible for compensation activities including job classification and evaluation under the University's plans, and administration of the University's employee benefits program and retirement counseling, as well as assisting the director with employee relations activities by handling routine problems and interpreting University personnel policies and union contracts. Bachelor's degree or equivalent plus four to five years of effective personnel administration experience with specific emphasis in the areas of wage and salary administration, labor relations and employee benefits.

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Professors get Guggenheim Fellowships

Robert D. Hume, Edward W. Formanek and Steven M. Weinreb have been granted fellowships by the John Simon Guggenheim Memorial Foundation.

Dr. Hume, professor of English, received one of the 68 fellowships awarded in the humanities; Dr. Formanek, professor of mathematics, was one of 10 mathematicians chosen; and Dr. Weinreb, professor of chemistry, was one of 14 chemists to receive a fellowship.

They are three of 292 scholars, scientists and artists chosen by the selection committee from among 3,571 applicants in the Foundation's 59th annual competition. Penn State ranks eighth among the 102 institutions receiving Guggenheim Fellowships. Cornell University has the most Fellows with 11; Harvard and Stanford Universities have nine; the University of California at Berkeley has eight; Northwestern University, the University of Pennsylvania and Yale University have seven.

The fellowships are awarded on the basis of demonstrated accomplishments in the past and strong promise for the

future. Awards are for one year and provide recipients with a substantial stipend. They are intended to allow Fellows to pursue their interests "under the freest possible conditions."



Robert D. Hume

Dr. Hume, who joined the faculty in 1977, and is currently associate head of the Department of English, will spend next year in London working on a book about the early career of Henry Fielding.



Edward W. Formanek

He will travel to provincial libraries in England and elsewhere to study 17th-century manuscripts.

Dr. Formanek, an algebraist, joined the



Steven M. Weinreb

(Continued on page 3)

OGE to raise funds through phone program

The Office of Gifts and Endowments is launching an ambitious "teledfund" program to broaden the base of private gift support to the University.

The fund raising goals are based on the expertise of Philanthropy Management, Inc., a New York consulting firm which specializes in personalized telephone solicitation programs to raise gift support for non-profit institutions. PMI has implemented similar programs at other institutions such as Columbia University, the University of Chicago and the University of Maryland.

The program is similar to but more intensive and structured than past University "phonations." Paid student callers will be making nightly phone calls over the next 15 months to Penn State alumni. By June, 1984, the University hopes to have contacted more than 42,000

non-donors as well as another 20,000 alumni who have contributed previously but not recently. The goal is to generate an additional \$500,000 to \$800,000 in private support.

"It's a fine-tuned and very successful approach to raising money," says George Mollenbrock, OGE's director of annual giving. "It's particularly helpful for larger universities such as Penn State that are not always able to personally contact a large percentage of their alumni. It provides the personal touch most smaller schools have."

Since February, PMI and OGE staff have been gearing up for the program. Applications are being accepted to form a pool of student callers who will work for three hours several nights a week. Salaries begin at \$3.75 an hour and will include wage incentives for productivity.

Meanwhile, finishing touches are being put on the Telefund Center at 113 Electrical Engineering West. The 2,000 square-foot facility is now equipped to accommodate 22 callers per evening and the professional staff.

The progress of the telefund will be monitored carefully and each student will undergo an initial six-hour training program on effective telephoning techniques. A project director and an assistant have been hired to manage the program with guidance from the consulting firm in conjunction with OGE.

Initially, the telefund program is designed to attract leadership gifts from non-contributing alumni of three of Penn State's colleges with large numbers of prospective donors — College of the Liberal Arts, College of Engineering and College of Business Administration. Calls

also will be made to former donors of all colleges who have not yet made their annual gift this fiscal year.

A week prior to the phone call, selected alumni will receive a special personalized letter from Lawrence G. Foster, president of the Penn State Fund Council, stating the University's needs and indicating that they will be receiving a phone call.

Mr. Mollenbrock indicates that the time is right for Penn State to initiate such a program. "The State's appropriations have been leveling off and it is essential that we increase our efforts to tap private sources of support to help maintain and expand quality programs," he says.

Applications for student caller positions are available at the Student Employment Office, 335 Boucke Bldg., the HUB Information Desk or 113 Electrical Engineering West. For further information call the Telefund Center, 863-3935.

Lesley Stahl to give Honors Convocation address

CBS News White House Correspondent Lesley Stahl will give the keynote address at the Honors Convocation at 2 p.m. Sunday, May 8, in Eisenhower Auditorium.

Ms. Stahl will be introduced by Todd Blackledge of North Canton, Ohio, quarterback of Penn State's football team and an honors student in speech communication.

During the convocation, about 300 undergraduate students will be cited for academic excellence. AMOCO Foundation Outstanding Teaching Awards will be presented to distinguished Penn State faculty members.

Ms. Stahl has covered the White House for CBS News since January of 1979. She went to that beat after serving for two years as co-anchor of the CBS Morning News.

As White House Correspondent, she has covered such stories as President Reagan's trip to the economic summit meeting in Europe in June, 1982; the federal budget, and the resignation of Secretary of State Alexander Haig. She also covered the attempt on President Reagan's life at the Washington Hilton Hotel in 1981. Her other assignments have included the Iranian hostage story, the Camp David accords and the economic

summit in Venice, during the Carter years.

Last month, CBS announced it will replace its 19-year-old Sunday morning interview program "Face the Nation" with a new half-hour discussion series to be moderated by Ms. Stahl. The format for the as yet untitled program has not been worked out, but preliminary plans call for a half-hour discussion on a broader range of topics than is heard on "Face the Nation," CBS said. Among possible areas to be included are social trends, the arts, science and medicine.

In 1974, Ms. Stahl became the first woman to serve as a regional anchor for CBS News election night coverage. During the 1976 campaign, she was a floor correspondent at both the Republican and Democratic national conventions.

Ms. Stahl joined CBS News in 1972 as a Washington-based reporter. She was named a correspondent in 1974. While on general assignment in Washington, she reported on the events surrounding the Watergate break-in and the subsequent hearings of the Senate Select Committee,

as well as the House Judiciary Committee Hearing on Impeachment.

A native of Swampscott, Mass., Ms. Stahl came to CBS News from WHDH-TV in Boston, where she was a reporter from 1970 to 1972. She is a 1963 cum laude graduate of Wheaton College and is married to Aaron Latham, an author. They have a daughter, Taylor.

At the Honors Convocation, eligible freshmen will receive Penn State's President's Freshman Award; eligible sophomores, the President Sparks Awards; eligible juniors and seniors, Evan Pugh Scholars Awards; and one senior, the John W. White Fellowship.

President Oswald will offer welcoming comments. Provost Eddy will introduce the platform party of deans and campus directors. Provost Eddy will present the AMOCO Awards and Dr. Oswald, the White Fellowship. Dr. Robert E. Dunham, vice president for undergraduate studies, will recognize honored students.

Music for the program will be provided by the Penn State Percussion Ensemble.



Lesley Stahl

Commission on position evaluation is established

A Joint Commission on Position Evaluation was established at the April meeting of the University Faculty Senate.

Joseph A. Dixon, Senate chairman, and President Oswald appointed seven members to look into the periodic evaluation of tenure track faculty positions.

Presidential appointees are: James Bartoo (co-chairman), dean of the Graduate School; Carl Cartwright, associate dean for academic affairs; Richard Chait, associate provost; and Stanley Paulson, dean of the College of the Liberal Arts.

Senate appointees are: Frederick Lampe (co-chairman), professor and assistant head of the Department of Chemistry; Annette Caruso, assistant professor of health education; and Patricia Farrell, associate professor and head of the Department of Recreation and Parks.

The Commission, which was discussed at the March meeting, will "recommend policies and procedures to assess the viability of tenure track positions in light of such considerations as the University's financial condition, changing program needs, shifting priorities and other

compelling reasons unrelated to the quality of the incumbent faculty member."

Analysis of these factors could lead to a tenure track position being discontinued without regard for the incumbent's qualifications or performance record.

Dr. Dixon and President Oswald asked the Commission to address:

- the criteria to be applied to position evaluation;
- the process for such reviews (who should participate, who should decide);
- the timing and frequency of these reviews; and
- the University's obligations to faculty members terminated under this policy.

This policy will be separate from PS-23, which concerns the evaluation of people, not positions.

Dr. Dixon asked the Commission to report on its progress at the May 24 meeting.

The Senate passed the Committee on Committees and Rules' changes to Article III of the Standing Rules "to bring the Standing Rules in line with current practice, to make certain that procedures used in filling vacancies are those desired by the Senate and to make minor changes

necessary for a semester system calendar." The only substantive change is limitation of membership on the Standing Joint Committee on Tenure to tenured faculty.

Article III deals with selection of members to Senate committees: Standing Joint Committee on Tenure, University Promotion and Tenure Review Committee, Senate Committee on Faculty Rights and Responsibilities and Faculty Advisory Committee to the President.

Coach Joe Paterno spoke to the Senators about how the University can become No. 1 in areas other than football. His comments, he said, were similar to those he made before the Board of Trustees in January.

"A great university has to be in the forefront of change. Some people fear becoming the victim of change, and there's a tendency to become timid and protective," he said. This fear has to be overcome.

He told the Senators that some myths about the University need debunking. One myth is that Penn State is isolated.

That may have been true at one time, but it's not true today, he said. The

football team overcame its isolation by marketing itself. He advised the rest of the University to make use of marketing as well.

The Senate heard a number of informational reports including one by Joseph J. Mansfield, vice president for development. His message to the Senators was that he needed their help in increasing giving to the University.

"The alumni don't want to talk to me. They want to talk to you," he said. "My objective is to help raise the level of awareness about development of alumni and faculty."

In other business, the Senate heard reports from:

- Committee on Commonwealth Campuses/Continuing Education — the Committee looked at whether Commonwealth Campus faculty were being treated fairly in terms of tenure and promotion; statistics were compared;
- Committee on Computer and Informational Systems — problems of multiple needs and finite resources were discussed as well as Computation Center U-account resources; and
- Committee on Libraries — the library information access system was discussed.

Promotions

Faculty

John D. Sias to assistant professor of speech communication in the College of the Liberal Arts at Fayette.

Staff Exempt

Charles Bruegebers to assistant director, planning and design in Physical Plant. Richard W. Caldwell to mechanical/electrical engineer II in Physical Plant.

Floyd O. Dewitt to chief technologist, nights and weekend service at Hershey. Doug Donovan to utility systems engineer in Physical Plant. William T. Ford to health physics assistant in Intercollege Research Programs.

Donna M. Luttrell to administrative

assistant at Hershey.

James T. Rohacek to manager, accounting and budgets at Hershey. Donald L. Yoder to assistant hospital director at Hershey.

Staff Non-Exempt

Sharon L. Black to computer tomography research technologist at Hershey. Janet E. Neff to project documentation specialist in Management Services.

Clerical

Deborah K. Brooks to senior clerk in Management Services. Eleanor Chodelka to accounting clerk at New Kensington.

Maria A. Garganes to secretary B at Hershey.

Sandra A. Gussallus to secretary C in Agriculture.

Renee C. Harpster to secretary B in Commonwealth Educational System. Linda D. Heefner to patient unit secretary at Hershey.

Megan Hutcheon to clerk, stock control A in Physical Plant.

Thelma Lehr to information processing clerk in Student Administrative Services. Carol McElroy to secretary B at New Kensington.

Rose M. Reedy to secretary B at Capitol. Kathleen A. Shomo to secretary C in Vice President for Undergraduate Studies. Teresa M. Starloni to secretary B at Capitol.

Technical Service

Rodney K. Barner to maintenance worker, area landscape in Physical Plant. Robert K. Cottingham to environmental systems operator mechanic at Capitol.

Keith S. Early to dining hall worker A in Housing and Food Services.

Andrew Felix, Jr. to maintenance worker, utility meters in Physical Plant.

Elmer J. Fry to waste water treatment plant worker in Physical Plant.

Ronald Grove to waste water treatment plant worker in Physical Plant.

Carl Lose to maintenance worker utility in Physical Plant.

Walter S. Peters to maintenance worker utility in Physical Plant.

Donald G. Rager to maintenance mechanic B at Shenango Valley.

Wilfred C. Snook to waste water treatment plant worker in Physical Plant.

Ricky Stimer to waste water treatment plant worker in Physical Plant.

Ellen M. Zerby to photographic reproduction processor in Business Services.

News in Brief

Dietary being prepared

A directory of faculty members who have experience and interest in hazardous and toxic waste problems is being prepared by the Office of Hazardous and Toxic Waste Management of the Institute for Research on Land and Water Resources. Purpose of the directory is to provide a link between Pennsylvania faculty members with expertise in this area and those who seek advice or assistance in dealing with hazardous problems.

The directory is being prepared by Raymond W. Regan, Office co-director, and Eunice M. Roe, project associate, in cooperation with Peter H.B. Norton of the Cooperative Extension Service. The directory listings will include faculty members from a variety of disciplines so that all aspects and ramifications of hazardous and toxic wastes can be addressed.

Faculty members interested in being listed in the directory but who have not received a questionnaire are urged to contact their department chairpersons or call Mrs. Roe at 863-0140.

Research contributors honored A dinner to honor University contributors to a recently published research encyclopedia will be held at 6:30 tonight at the Nittany Lion Inn.

Faculty members from the colleges of Education, Human Development and Arts and Architecture who wrote

sections of the Encyclopedia of Educational Research will join representatives from the American Educational Research Association at the event. The AERA sponsored publication of the four-volume set.

Author Recognition Day

The Penn State Bookstore on Campus invites faculty and staff members and their families to attend a reception from noon to 4 p.m. Sunday, April 24th, to recognize Penn State faculty and staff authors.

Faculty books, to be located in displays throughout the store, will be available for sale as well as being available through special order services if the demand exceeds the supply on hand. A large selection of Penn State Press books also will be available for sale.

Distinguished Researchers seminar

Dr. J. Brian Quinn, William and Josephine Buchanan professor of management at the Amos Tuck School of Dartmouth College, will present a seminar, "Incrementalism in Strategy Formulation and Implementation," at 10:30 a.m., Thursday, April 28, in 201A Business Administration Bldg. His talk is part of the Distinguished Researchers Seminar Series, sponsored by the Department of Organizational Behavior.

He is consultant to and sits on the board of directors of several major corporations. He is chairman of the

Academic Committee on Domestic Policy Review of Innovation for the Office of the President, and is a member of the Delegations on Management and Technology Transfer to the People's Republic of China.

Former ambassador to speak Dr. Mauricio Solana, former U.S. ambassador to Nicaragua, will speak on "U.S. Foreign Policy and Revolution — The Nicaraguan Experience" at 8 p.m. Monday, April 25, in Room 1011 Chambers Bldg. His talk is sponsored by the Penn State Latin American Studies Program and the College of the Liberal Arts. Dr. Solana is professor of sociology and Latin American Studies at the University of Illinois, Champaign-Urbana. He was U.S. ambassador to Nicaragua from July 1977 to February 1979.

Annual Livestock Exposition

The 66th Little International Livestock Exposition will be held at 8 a.m. April 30 in the University's Beef and Sheep Center. The program opens with beef cattle and swine classes, followed by horses and sheep.

Participants will be evaluated on their fitting and showing techniques with champions named in each of the four species.

Sy Barash Regatta

Fifteen thousand people are expected to attend the ninth annual Sy Barash Regatta, to be held on Sunday, May 1, at Bald Eagle State Park in Howard. The event, sponsored by the University chapter of Beta Sigma Beta fraternity,

will benefit the Centre County Unit of the American Cancer Society.

The Regatta is held in memory of Sy Barash, prominent State College businessman and former president of Beta Sigma Beta, who died of cancer in 1975. Over the years, the Regatta has raised more than \$65,000 for the American Cancer Society.

Doctoral program accredited

The doctoral program in counseling psychology has received full accreditation for a five-year period from the American Psychological Association.

Five years is the highest level of approval possible from the APA, according to Dr. Edwin L. Herr, head of the Division of Counseling and Education Psychology.

"That makes our program one of only 28 in the U.S. that have received full approval in counseling psychology by the APA," Dr. Herr said.

New slide sets available

Audiovisual Production Techniques, a package of twenty-one audiocassette/35mm slide sets, has been acquired by Audio-Visual Services for use in instructional development within the University.

Included in the package are six modules: audio principles, designing visuals that communicate, duplication, fundamentals of photography, lettering for instructional materials, and visuals for projection. Electricity and the media specialist, a single sound/slide set, also is available.

For additional information, contact Audio-Visual Services at 863-3107.

Guggenheim Fellowships

(Continued from page 1)

faculty in 1978. He will use his fellowship to pursue studies in the ring theory.

Dr. Weinreb, who also came to the University in 1978, will devote his year to studies in the synthesis of complex organic molecules.

A specialist in 17th and 18th century English literature, Dr. Hume came to the University from Cornell, where he taught from 1969-77. He received his B.A. degree from Haverford College and his Ph.D.

from the University of Pennsylvania.

During 1966-67, he held a Woodrow Wilson Fellowship. He was a visiting associate professor at the University of Virginia in 1971-72. He has written seven books and is finishing his eighth entitled *The Rakish Stage* covering English drama and theatre from 1660-1800.

He is co-discoverer and co-editor of two of the three "lost" Restoration plays to be recovered in manuscript in the 20th

century: *The Country Gentleman* (1669) by Sir Robert Howard and the Duke of Buckingham and *The Frolics* (1671) by Elizabeth Polwhele.

Dr. Formanek, whose research interests include group theory, group rings and ring theory, received his B.S. degree from the University of Chicago, his M.S. degree from De Paul University and his Ph.D. from Rice University — all in mathematics.

Prior to coming to Penn State, he held appointments at the University of Missouri, Carleton University (Canada), the University of Pisa, the University of Chicago and Hebrew University

(Jerusalem).

Dr. Weinreb earned his A.B. degree at Cornell and his Ph.D. at the University of Rochester, where he specialized in organic chemistry. Before coming to Penn State, he held appointments at Columbia University, the Massachusetts Institute of Technology and Fordham University.

While at the University, he and colleagues completed the first total laboratory synthesis of streptogramin, an anti-cancer agent, originally isolated from a common soil bacteria more than 20 years ago.

Forbes, Kingsley to speak at William Elliott Conference

Malcolm S. Forbes, Jr., president and chief operating officer of Forbes, Inc. and deputy editor-in-chief of Forbes Magazine, will deliver the 1983 William Elliott public lecture at 9:45 a.m., Wednesday, April 27, in Room 112 Kern Graduate Bldg. on the University Park Campus.

Mr. Forbes' address, entitled "Rebirth of an Era: Why America Will Regain Economic Supremacy," will open the ninth annual William Elliott Invitational Conference April 27 and 28 in the College of Business Administration. Mr. Forbes also will lead a seminar session for the conference at 2 p.m., April 27.

On Thursday, April 28, at 9:30 a.m., William E. Kingsley, executive vice president of the American Council of Life Insurance, will lead a discussion on "A Challenging Climate for the Insurance Business."

"Each year, the William Elliott Conference attracts senior executives of the insurance industry, its trade and professional associations and leading academicians in the field," says Dr. Eugene J. Kelley, dean of the College of Business Administration.

Mr. Forbes is a graduate of Princeton University where he was founding editor of *Business Today*, a quarterly publication that became the largest magazine

published by students for students with a circulation of 200,000. It continues today, still published by Princeton undergraduates.

He joined the business publication Forbes Magazine in 1970. The magazine was founded by his grandfather in 1917. He held various positions with the publication and was named president and chief operating officer of Forbes, Inc. in 1980.

Mr. Forbes became associate editor in 1976 and senior editor in 1978. He was promoted to deputy editor-in-chief last year. Among his duties is writing editorials for each issue of Forbes, making him the third generation of his family to do so.

In 1974, Mr. Forbes compiled the best of his father's editorials into a book entitled *Fact and Comment*, published by Alfred A. Knopf, Inc. He also wrote the text of an award-winning documentary entitled "Some Call It Greed," produced in 1970. He has twice been awarded the Crystal Owl presented annually by U.S. Steel Corporation to the reporter making the most accurate economic forecasts for the coming year. He is the only writer to win the award twice in its 40-year history.

Mr. Kingsley is responsible for the public relations division of the American



Malcolm S. Forbes Jr.



William E. Kingsley

Council of Life Insurance which has some 500 member companies representing 95 percent of the assets of the U.S. life insurance business.

He holds degrees from the City College of New York and the Columbia Graduate School of Business and attended the 73rd session of the Advanced Management Program at the Harvard Business School.

Before joining the American Institute of Life Insurance in 1956, — the Council's predecessor organization — Mr. Kingsley was with the personal trust department of Irving Trust Company.

boasts a number of "special effects." These include depictions of the Big Bang that began the Universe, explosions in the Sun's atmosphere called solar prominences and supernovae or exploding stars.

During the evening, from 7:30 to 11 p.m., the Astronomy Club will hold its last Sky Watch of the spring season. Depending on weather conditions, visitors will be able to see the planets Venus, Saturn, and, perhaps, Jupiter as well as some deep sky objects such as galaxies and star clusters.

Groups of 10 or more may make reservations for special tours by writing to Expo, 211 Whitmore Laboratory, or by calling 863-0284.

Speaker scheduled for 14th Dotterer Lecture

Dr. Robert Sokolowski, professor of philosophy at the Catholic University of America, will present the Department of Philosophy's 14th Annual Dotterer Lecture at 8 p.m. Thursday, April 21, in the Nityany Lion Inn. Dr. Sokolevski's topic is "The Phenomenology of Human Action."

A specialist on Husserl, Dr. Sokolowski has recently held a number of distinguished lectureships. Among them was an invitation to participate in the Sixth International Colloquium at Biel, Switzerland.

He is the author of a number of books, including *The God of Faith and Reason: Foundations of Christian Theology, Presence and Absence: A Philosophical Investigation of Language and Being, Husserlian Meditations: How Words Present Things, and The Formation of Husserl's Concept of Constitution*.

An informal seminar, entitled "Quotation: A Phenomenological Analysis," will be presented by Dr. Sokolowski at 1:30 p.m. Friday, April 22, in Room 124 Sparks.

The Dotterer Lecture was established by the Department of Philosophy to honor the late Ray H. Dotterer, who served as head of the Department from 19'8-87.

College to present Science Expo '83

The College of Science will present Science Expo '83, an open house, from 10 a.m. to 5 p.m. Thursday, April 30.

The program, sponsored by the College of Science Student Council and Alumni Society, will offer day-long exhibits, tours, films and demonstrations on a host of science, mathematics, and medical topics. All events are free of charge.

Visitors will be able to see a medical experiment that rode on one of the first space shuttle flights, view a working model of an artificial heart, tour the exotic plant displays in the biology greenhouses and hear about the latest research on

cancer genes and viruses.

There'll be mathematical movies, computer games, physics and chemistry "magic" shows and laser displays. There'll also be a chance to taste seaweed, "see" sound, and view a first run showing of "Portraits of the Universe," a multimedia astronomy show.

More than 50 different exhibits, programs and demonstrations will cover science, mathematics, and medical topics ranging from astronomy to zoology.

"Portraits of the Universe," written and produced by Eric and Karin Hilbert, a State College husband and wife team,

Engineering faculty honored for excellence

Fifteen College of Engineering faculty members have been honored for excellence in teaching, research or advising.

The awards, consisting of a \$500 check and a plaque, were presented at the 1983 Engineering Excellence Convocation (formerly the Engineering Honors Convocation) by Engineering Dean Wilbur L. Meier Jr. The awards are sponsored by the Penn State Engineering Society (PSES), the College's alumni society.

The Convocation also featured the 1983 Honorary Engineering Lecture, presented by Robert E. Kirby, chairman and chief executive officer of the Westinghouse Electric Corporation.

Mr. Kirby, a 1939 chemical engineering graduate, spoke on "Engineering: the Evolution of American Industry." He discussed the future of American industry as it makes a transition from high-volume, standardized production to high-value, knowledge-intensive manufacturing.

Six Engineering faculty members

received Outstanding Teaching Awards, presented in recognition of "excellence in teaching and for contributions to the art of teaching."

They were: Alfred J. Engel, professor of chemical engineering; John W. Gesink, assistant professor of engineering, Wilkes-Barre Campus; James D. Hettrich, assistant professor of engineering, Beaver Campus; Joseph R. Monkowski, associate professor of electrical engineering; Andrew Pytel, associate professor of engineering mechanics, and Thomas M. York, professor of aerospace engineering. Dr. Pytel also was designated "Premier Teacher," a new award also sponsored by PSES.

Five faculty members received Awards for Outstanding Achievement in Research, presented to "outstanding engineering researchers for pushing forward the frontiers of knowledge."

They were: S. Ashok, assistant professor of engineering sciences; James P. Ignizio, professor of industrial

engineering; Kenneth K. Ku, professor of mechanical engineering; Budkar Lakshminarayana, professor of aerospace engineering, and Vernon H. Neubert, professor of engineering mechanics.

Four faculty members received Awards for Outstanding Advising, presented in recognition of "outstanding engineering advisers who have exhibited intense interest in the individual student or in student groups."

Receiving the advising awards were: John N. Grode, assistant professor of engineering; Behrend College; Charles C. Peiffer, associate professor of chemical engineering; Franklin P. Platts Jr., assistant professor of engineering; Shuyikoff Campus, and Hubert C. Smith, assistant professor of aerospace engineering.

Some 193 engineering students were recognized for 1982-83 honors and awards, as were seven 1982-83 Dean's Fellows. Seventeen faculty members also were recognized for off-campus honors.

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William E. Campbell, Jr., Editor
Deborah A. Benedetti, Assistant Editor
Calendar Editor — 865-2501

Focus on the arts

Recitals to be presented

The School of Music will present a number of recitals by student and faculty performers in the Music Building recital hall.

Graduate clarinetist Evelyn Ellis will give a lecture-recital during Common Hour at 1 p.m. Thursday, April 21, and in a master's recital at 8:30 p.m. Monday, May 2.

Ms. Ellis' lecture-recital, "Problems Involved in the Performance of Solo Literature for Clarinet," will focus on the techniques needed for performing contemporary twentieth century works.

Ms. Ellis will be accompanied by pianist Jill Olson, soprano Paula Hepfer, and violinist Raymond Page. She will perform *Sonatas* by Alvin Eder and Johannes Brahms, *Vaughan Williams' Three Vocalises* for clarinet and soprano, and *Bela Bartok's Contrasts* for clarinet, violin and piano.

Graduate pianist Jane Holmlund will give her graduation recital at 8:30 p.m. Saturday, April 23.

Miss Holmlund will perform J.S. Bach's *Prelude & Fugue*, no. 1, Beethoven's *Sonata*, op. 2 no. 3, Chopin's *Ballade in F minor*, op. 52 and *Scherzo in B minor*, op. 20, and two selections from *Iberia* by Albéniz ("Evocation" and "Triana").

Pianist Susan Zoccoli will be in recital at 8:30 p.m. Sunday, April 24. Ms. Zoccoli, who is giving the recital in partial fulfillment of the requirements for the master of music degree in performance, will perform the *Prelude and Fugue in E♭ major* from Bach's "Well-Tempered Clavier, Book II," Mozart's *Sonata in D major*, K. 284, Chopin's *Beursee*, op. 57, Liszt's *Hungarian Rhapsody no. 8*, Debussy's *Images*, Book II, and George Crumb's *Five Pieces for Piano* (1962).

Two Common Hour recitals on Tuesday, April 26, and Thursday, April 28, will feature student performers.

The performers at 1 p.m. April 28 will be guitarist Laura Mazza and baritone Timothy Korman. Miss Mazza will perform works from the classical guitar literature in this junior recital. Mr. Korman will perform works representing early Italian, French, German and English vocal repertoire.

Performing at 1 p.m. April 28 will be violinist Lisa DeStefano and soprano Eileen Kough. Miss DeStefano, who is completing work in music education for a master's degree, will perform a sonata by Veracini, Alec Rowley's *Short Lyrical Sonata*, op. 48, and two of Brahms' *Ungarische Tänze*. She will be accompanied by Susan Ranky.

Miss Kough, who is completing work for the master of music education degree, will perform representative works from a variety of musical periods and styles for lyric soprano.

Robert Howard, trumpet instructor, will present a recital at 8:30 p.m. Tuesday, May 3.

Mr. Howard has a master of music degree from the University of Michigan and a bachelor of music degree from Oberlin Conservatory of Music. He has performed several times as soloist with the Detroit Symphony, and performed recitals in Michigan, Ohio and Pennsylvania.

Clarinetist Michael Scolaromero will be in recital at 8:30 p.m. Wednesday, May 4. Accompanying Mr. Scolaromero will be pianist Timothy Shuey. Paula Hepfer (soprano), Walter Evanowicz (cello), Peggy Shipley (flute), Amy Wagner (oboe), and Janet Underhill (bassoon) will perform with Mr. Scolaromero, who is presenting the recital in partial fulfillment of the requirements for the master of music degree in performance.

Mr. Scolaromero will perform "Parto! Ma tu ben mio" from *La Clemenza di Tito*, K. 621, by Mozart, Jean Françaix's *Quartet* (1933), Debussy's *Première Rhapsodie* (1910), and Brahms' *Trio in A minor for piano, clarinet and violoncello* (1914).

Black Arts Festival

The annual Black Arts Festival, sponsored by the Black Caucus and the Paul Robeson Cultural Center, will continue through Friday, April 22. The theme of this year's festival is "Retrospect on the 60s — Prospects for the 90s."

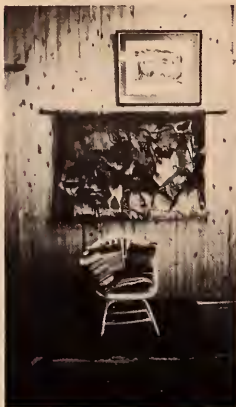
An exhibition of African and Afro-American art will be featured at the Paul Robeson Cultural Center until April 30. Works from the Collections of O'day Maduka from Lagos, Nigeria, and Robert Wilder and Forrest Wortham of State College will be featured. Mr. Maduka's collection consists of ebony and ivory carvings and other works of leather and wood, done in the traditional style of the Hausa, Ibo and Benin artists.

A Talent/Gong show will be presented by Alpha Phi Alpha Fraternity at 7:30 tonight in the Cultural Center.

On Friday, April 22, the guest speaker will be poet/writer Haki Madhubuti (Don L. Lee). Mr. Madhubuti is the founder and editor of Third World Press and editor of "Black Books Bulletin." He is a former poet-in-residence at Howard University and is the director of the Institute for Positive Education.

Mr. Madhubuti was a participant in the First Pan African Festival in Algiers and is on the board of directors of the World Black and African Festival of Arts and Culture (FESTAC). An active community organizer and lecturer, he will speak on the "Future of Black America" at 8 p.m. at the Cultural Center.

The Black Arts Festival Committee will also sponsor several social events at the Cultural Center, featuring prizes and free admissions. For further information, contact the Paul Robeson Cultural Center at 865-1779 or 865-3776.



Swaziland Tapestry exhibit at HUB Gallery.

Swaziland exhibition

An exhibition of Swaziland tapestry will be on display in the Hetzel Union Building Gallery from Monday, April 25, to Thursday, April 28.

The weaving industry in Swaziland provides pieces of an exceptionally high standard which are unique in the combination of modern technology with local tradition and creativity. It is a blend of sophisticated Western technique with ethnic concepts and local tradition.

During the past few years, weaving in Swaziland has expanded into a highly diverse, yet integrated, industry. Innovations in weaving techniques have provided a high quality product, while preserving the traditional culture of the Swazi nation in an unusual way.

The HUB Gallery is open from 11 a.m. to 3:30 p.m. and from 6:30 to 9:30 p.m. Monday through Friday.

Architecture lecture

The Central Pennsylvania Chapter of the American Institute of Architects and the Department of Architecture are co-sponsoring a lecture entitled "Urban Design: The New of the Art" at 8 p.m. April 21 in Room 112 Walker Bldg.

The lecture will be presented by Jules Gregory, a principal in UNILPLAN, a professional association of architects, engineers and planners in Princeton, N.J., and by David Lewis, a partner in Urban Design Associates, a Pittsburgh firm.

The lecture will follow the annual Department of Architecture dinner at the Nittany Lion Inn.

Slavic Folk Festival

The fifth annual Penn State Slavic Folk Festival will be held on Friday, April 22, and Saturday, April 23, from 9 a.m. until 10 p.m. and on Sunday, April 24, from 1 p.m. until 6 p.m. in the ballroom of the Hetzel Union Building.

Jointly sponsored by the Department of Slavic Languages and the Penn State Kappa Kappa chapter of Dobro Slovo, the national Slavic studies honor society, the festival showcases the cultural achievements of Pennsylvania's Slavic-American ethnic groups.

It features exhibits and demonstrations of folk art, films, and live performing groups. Special events for young children on Friday morning, a book and artifact booth, and an ethnic snack bar are also featured.

On Friday evening, there will be performances by the Penn State Internationale Dancers, music for listening and dancing by State College's Little German Band, and a polka and waltz contest.

Special events for Saturday, April 23, will center on folk dancing. Featured performers will include a Serbo-Macedonian dance group from Cleveland, Ohio; a Polish dance group from Baltimore, a repeat performance by the Penn State Internationale Dancers, and songs and dances by the Penn State Ukrainian Club. The Thomas Duda Orchestra with Johnny Y will play for dancing in the evening, and a polka and waltz contest will be held.

Sunday's events include a program of sacred music by a Russian Orthodox choir, a repeat performance by the Serbian dancers, and a performance by a Ukrainian troupe from Sharon.

Lorraine Kapitanioff is the festival coordinator and is assisted by Rose Mary Witham, who is also the festival treasurer. Dr. William Schmalstieg, head of the Department of Slavic Languages, Sigmund Birkenmayer, James Gebhard, Linda Ivanitis, and Joseph Paternost, all department faculty members, make up the festival board. The festival secretary is Anna Mary Smalley. Mrs. Kapitanioff is the chapter adviser to Dobro Slovo, and Mrs. Witham is the chapter president.

Student exhibit

Drawings, sculpture and architecture by first-year architecture students under the direction of Howard Ray Lawrence, assistant professor of architecture, will be shown May 4 to 16 at the Hetzel Union Building Gallery.

Percussion Ensemble

The School of Music will present the Percussion Ensemble under the direction of Dan C. Armstrong in concert at 8:30 p.m. Wednesday, April 27, in the Music Building recital hall.

The concert of contemporary works for percussion ensemble will feature *Korab* by Richard Kvistad and *Moon Step* by Marc Bleuse. *Korab*, written in 1965, is a rhythmic development on the opening theme of the *Giucio delle coppie* movement from Bartok's *Concerto for Orchestra*, a famous snare drum solo. *Moon Step* is included in honor of the recent space walk by the astronauts of the Challenger. An unusual feature of another piece is that it

requires no instruments at all.

Assistant conductor and graduate assistant in percussion Don Dietrich will conduct Michael Colgrass' *Inventions on a Motor*.

The seven-member ensemble is two years old. Membership is open principally for music majors. Others may audition each term.

Ensemble to perform

The Symphonic Wind Ensemble will perform under the direction of Smith C. Toulson at 8:30 p.m. Friday, April 22, in the Music Building recital hall.

Works by three twentieth-century American composers will be featured: Alan Hovhanness' *Three Journeys to a Holy Mountain*, Gian-Carlo Menotti's *Overture and Caccia* and William Bergsma's *March with Trumpets*. Works by Nellyhel and Bernstein also will be included.

Graduate assistant James Alberty also will conduct on this program.

Asian Festival events

"The Lessons of Vietnam" will be the topic of a panel discussion at 7:30 p.m. Wednesday, April 27 in Room 301 HUB.

Panelists will be Col. Stanley Kwiecjak Jr., of the Institute for Strategic Studies at the U.S. Army College, who served in Vietnam in the 1970s; Dr. Henry S. Albinski, professor of political science, and John Davies, a Vietnam veteran and Penn State student. Dr. Parris H. Chang, professor of political science, will moderate the discussion.

A 50-minute CBS documentary film, "Vietnam: A Historical Document," with commentary by Walter Cronkite, will be shown prior to the discussion.

At 7:30 p.m. Wednesday, May 4, in the HUB Assembly Room, Fox Butterfield, former New York Times correspondent in Peking and now chief of the Boston Bureau of the Times, will speak on "China Through the Eyes of an American Reporter." Prior to the speech, a film will be shown entitled, "Return from Silence: China's Revolutionary Writers."

Both events are part of the Asian Festival at the University, which is sponsored by the Asia Area Studies Committee and the East Asian Studies Society. The festival is intended to increase the awareness of students and faculty members to Asia and its importance to the United States.

Music from Marlboro

Music from Marlboro brings to the University eight outstanding soloists from the celebrated Marlboro Music Festival. The concert, sponsored by the Artists Series, will be held at 8:30 p.m. Friday, April 29, in Schwab Auditorium.

The Marlboro Music Festival, founded in 1950 by three families bearing the famous musical names of Serkin, Busch and Moyshe, has since become a unique part of the American chamber music scene. The festival brings together for two months each summer leading musicians from every state and many foreign countries.

Music from Marlboro was founded to share Marlboro music-making with people throughout the U.S. and to extend the Marlboro activities into the winter months. Each summer at the Festival approximately 25 musicians are selected to form touring groups.

The April 29 concert will feature Stephanie Chase, violin; Tod Phillips, violin; Toby Hoffman, viola; Peter Wiley, cello; Carolyn Davis, double bass; Linda Strommen, oboe; David Jouly, horn; and Stewart Rose, horn. The program will include Mozart's *Divertimento No. 11 in D Major*, *String Trio No. 1* by Paul Hindmith and Beethoven's *Sextet in E Major*.

See page 6 for more arts news.

University Park Calendar

April 21 — May 5 Special Events

Thursday, Apr. 21

Organization for Town Independent Students (OTIS) tenth annual Town Day, 12:15 p.m., Penn State Sheraton.

Sports: women's lacrosse vs. Maryland, 3 p.m.; HUB Eateries, Founder's Room, Special Dinner, 5-7 p.m.

Kern Classics, *Bedazzled*, 7 and 9 p.m., 112 Kern. Black Arts Festival, Talent/Gong Show, 7:30 p.m., Paul Robeson Cultural Center.

Commodore VIC 20, CBM 64 and Pet Microcomputer Users Group meeting, 8 p.m., 225 HUB. Novice session, 7:30 p.m.

Dotterel Lecture, 8 p.m., Nittany Lion Inn. Robert Sokolowski, Catholic Univ. of America, on "The Phenomenology of Human Action."

English/IAHS Colloquium, 8 p.m., 101 Kern. Seamus Heaney, poetry reading.

Friday, Apr. 22

Fifth Annual Penn State Slavic Folk Festival, 9 a.m.-10 p.m., HUB Ballroom. Also Apr. 23, 9 a.m.-10 p.m.; Apr. 24, 1-6 p.m.

Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. Wilbur Zelinsky, geography, on "The Roving Palate: Ethnic Cuisines in North American Restaurants."

Sports: men's volleyball, ECVL Championships, 5 p.m., Also April 23.

Theatre and Film, *Walkabout*, 7 and 9 p.m. HUB Assembly Room.

Black Arts Festival, Haki Madhubuti, poet/writer, on "Future of Black America," 8 p.m., Paul Robeson Cultural Center. Symphonic Wind Ensemble concert, 8:30 p.m., Music Bldg. recital hall.

Saturday, Apr. 23

Jane Holmlund, piano recital, 8:30 p.m., Music Bldg. recital hall. Artists Series, Polish Mime Theatre in Hamlet, 8:30 p.m., Eisenhower Auditorium.

Sports: women's tennis vs. James Madison, 8:30 a.m.; softball vs. Rutgers, 11 a.m.; women's tennis vs. William & Mary, 2:30 p.m.; softball vs. Ohio State, 5 p.m.; men's volleyball, ECVL Championships, 5 p.m.; men's golf, Nittany Lion Invitational.

France-Cinema, Fassbinder, *Verona Voss*, 7 and 9 p.m., 112 Kern. Also April 25.

Sunday, Apr. 24

Sports: softball vs. Virginia, 10 a.m.; softball vs. Ohio State, 2 p.m.; women's tennis vs. Virginia, 2:30 p.m.; men's golf, Nittany Lion Invitational.

HUB Eateries, Founder's Room, Brunch, 10:30 a.m.-1:30 p.m.

Faculty/Staff Annual Recognition Day reception, noon-4 p.m., Penn State Bookstore. Mike Scalamore, clarinet recital, 3:30 p.m., Music Bldg. recital hall.

Susan Zocchi, piano recital, 8:30 p.m., Music Bldg. recital hall.

Monday, Apr. 25

Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Jeremy Griffiths, St. John's College, on "Chaucer Manuscripts."

Public Lecture, 8 p.m., 101 Chambers, Mauricio Solano, former U.S. Ambassador to Nicaragua, on "U.S. Foreign Policy and Revolution — The Nicaraguan Experience."

Tuesday, Apr. 26

Ich's Lunch, Anita Bealer, organ recital, noon, Eisenhower Chapel.

Faculty Women's Club Spring Luncheon and Fashion Show, 12:15 p.m., Nittany Lion Inn. Reception, 11:30 a.m.

Sports: baseball vs. Maryland (DH), 1 p.m. Public Lecture, 7:30 p.m., Music Bldg. recital hall. Elgar Howarth, composer and conductor, on his experiences as a conductor of opera. Also April 28, 8:30 p.m.

Wednesday, Apr. 27

William Elliott Public Lecture, 9:45 a.m., 112 Kern. Malcolm S. Forbes, Forbes, Inc., on "Birth of an Era: Why American Will Regain Economic Supremacy."

Kern Concert, Rustical Quality String Band, noon, Kern Lobby.

Outside the Mainstream Film Series, *The Dreamer That Remains: A Portrait of Harry Patch*, 12:15 p.m., Zoller Gallery.

Sports: men's lacrosse vs. Loyola (Md.), 3:30 p.m.

Asian Festival, panel discussion on "The Lessons of Vietnam," 7:30 a.m.-301 HUB. Percussion Ensemble concert, 8:30 p.m., Music Bldg. recital hall.

Thursday, Apr. 28

Museum of Art Informal Talk and Brown Bag Lunch, 12:10-12:50 p.m., Museum of Art. Sports: baseball vs. Bucknell (DH), 1 p.m.; women's lacrosse, Pennsylvania, 3:30 p.m. HUB Eateries, Founder's Room, Special Dinner, 5-7 p.m.

Friday, Apr. 29

Metallurgy Laboratories, Open House, 2-5 p.m., Steidle Bldg.

Sports: softball, Atlantic 10 Championships; women's tennis, Atlantic 10 Championships. Theatre and Film, *Don't Look Now*, 7 and 9 p.m., HUB Assembly Room. Also April 30.

Artists Series, Music from Marlboro, 8:30 p.m., Schwab Auditorium.

Saturday, April 30

Little International Livestock Exposition, 8 a.m., Beef and Sheep Center.

Metallurgy Laboratories, Open House, 9-11 a.m., Steidle Bldg.; Address by Hal Harman, Interlake, Inc., 2 p.m., 112 Walker Bldg.; Panel discussion on Solving Problems of the Metals Industries, featuring outstanding metallurgy alumni, 3 p.m., 112 Walker Bldg.

France-Cinema, 15th Tournee of Animation, 7 and 9 p.m., 112 Kern. Also May 2.

PSU Symphony Orchestra concert, 8:30 p.m., Eisenhower Auditorium.

Sports: softball, Atlantic 10 Championships; women's tennis, Atlantic 10 Championships; baseball vs. West Virginia (DH), 1 p.m.; men's volleyball, Keystone Regional Championships.



Byelorussian Dancers at Slavic Folk Festival.

Sunday, May 1

HUB Eateries, Founder's Room, Brunch, 10:30 a.m.-1:30 p.m.

Sports: baseball vs. Robert Morris (DH), 1 p.m.; men's volleyball, Keystone Regional Championships.

School of Music, Women's Chorus, 8 p.m., Music Bldg. recital hall.

Monday, May 2

Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Mircea Borella, visiting Fulbright lecturer, on "The Poetics of Culture vs. The Semiotics of Culture."

The Golden Age of Greece Lecture Series, 8 p.m., 112 Chambers. Beryl Barr-Sharrar, authority on northern Greek art, on "The Derveni Krater: a Masterpiece of Macedonian Art."

Evelynn Ellis, clarinet recital, 8:30 p.m., Music Bldg. recital hall.

Tuesday, May 3

Late drop deadline. Bach's Lunch Recital program, Debra Dorman on flute and Rebecca Raub on piano, noon, Eisenhower Chapel.

University Senate meeting, 1:10 p.m., 112 Kern. Robert Howard, trumpet recital, 8:30 p.m., Music Bldg. recital hall.

Wednesday, May 4

Kern Concert, Whetstone Run, noon, Kern Lobby.

Outside the Mainstream Film Series, *Powers of Ten*, 12:15 p.m., Zoller Gallery. Asian Festival, Fox Butterfield, New York Times correspondent, on "China through the Eyes of an American Reporter," 7:30 p.m., HUB Assembly Room.

Sports: men's lacrosse vs. Bucknell, 8 p.m. English Colloquium, 8 p.m., 101 Kern. Lady Mander, who writes under the name Rosalie Grylls, on "Pre-Raphaelites."

Thursday, May 5

Sports: men's tennis vs. East Stroudsburg, 1 p.m.

Robert Wussler of (Turner) Cable News Network in Atlanta will participate in a telephone conference, 3:30 p.m., 124 Sparks. HUB Eateries, Founder's Room, Special Dinner, 5-7 p.m.

Schilling Seminar meeting, 6 p.m., Gilpin Room, Nittany Lion Inn. Michael Svoboda on "Discourse on Science and Religion," Kern Classics, *Music Lovers*, 7 and 9 p.m., 112 Kern.

School of Visual Arts Public Lecture, 7:30 p.m., 102 Chambers. Roland Reiss, sculptor.

Seminars

Thursday, Apr. 21

Ceramic Science, 11 a.m., 301 Steidle. Robert Sundahl, Bell Labs.

Chemistry, 12:45 p.m., 55 Osmond. Bruce R. Kowalski, Univ. of Washington, on "Intelligent Chemical Instrumentation."

Philosophy, 1:30 p.m., 124 Sparks. Robert Sokolowski, Catholic University of America, on "Quotation: A Phenomenological Analysis."

Anthropology, 3 p.m., 206 Chambers. Roy A. Rappaport, Univ. of Michigan, on "The Construction of Time and Eternity in Ritual."

History, 3:30 p.m., 124 Sparks. Paul Harvey, history, on "Working the Fugitive: Slave Penal Labor in Ancient Mediterranean Societies."

Physics, 3:55 p.m., 59 Osmond. J.P. McGuire, Rappaport, Univ. of Michigan, on "Physics Research in the National Synchrotron Light Source Facility."



Acoustics, 4 p.m., 73 Willard. David Kahn on "Techniques in Scale Modeling for Architectural Acoustics."

Math, 4 p.m., 102 McAllister. Ian Richards, Univ. of Minnesota, on "Which Operators in Analysis Lead from the Computable to the Noncomputable."

Monday, April 25

Plant Faculty, 3:55 p.m., 213 Buckhout. Susan T. Sim on "Locating Sources of Resistance to Bury Yellow Mosaic Virus in Red Clover."

Tuesday, April 26

Environmental Pollution Control, 2:20 p.m., 124 Sackett. S.N. Kerr on "Land Reclamation of Strip Mines with Sludge — Case Histories." Chemical Engineering, 3:45 p.m., 140 Fenske. Joshua Dracoff, Northwestern Univ., on "Photochemical Reactors or Applied Catalysis."

Acoustics, 4 p.m., 160 Willard. John Lusatis and Kathleen Moothetichon on "An Evaluation of Telephone Amplifier Systems."

German, 8 p.m., 124 Sparks. Brigitte Blaha, Cultural Attache, Austrian Embassy, on "Austria's Political and Economic Development in the Era Kreisky."

Thursday, April 28

Organizational Behavior, 10:30 a.m., 201A Business Administration Bldg. J. Brian Quinn, Dartmouth College, on "Innovation in Strategy Formulation and Implementation."

Ceramic Science, 11 a.m., 301 Steidle. Anthony Perrotta, Gulf Research & Development Co., on "Superior Conductivity of Some Framework Structures."

Chemistry, 12:45 p.m., 55 Osmond. Kenneth L. Rinehart, Jr., Univ. of Illinois, on "Biosynthesis and Mutagenesis of Antibiotics."

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Physics, 3:55 p.m., 55 Osmond. A.C. Gosard, Bell Laboratories, on "Artificial Layered Quantum Structures in Semiconductors by Molecular Beam Epitaxy."

Acoustics, 4 p.m., 73 Willard. Joseph S. Kamenar on "Design of a Computer Controlled Audiometer."

Math, 4 p.m., 102 McAllister. Carl Riehm on "Heisenberg-Kaplan Lie Algebras and Applications."

Philosophy, 4 p.m., 218 Willard. Stanley Rosen, philosophy, on "Straussian Hermeneutics."

Friday, April 29

Chemistry/Pittsburgh lecture, 10 a.m., 55 Osmond. David M. Hercules, Univ. of Pittsburgh, on "Surface Spectroscopic Characterization of Heterogeneous Catalysts."

Monday, May 2

Plant Pathology, 3:55 p.m., 213 Buckhout. Barbara Illman on "Physiological Contrast Between Potato Cultivars with Differential Susceptibility to Ozone."

Tuesday, May 3

Environmental Pollution Control, 2:20 p.m., 124 Sackett. E.J. Massaro on "Myths: Safety of Long Term Storage of Toxic Materials."

Chemical Engineering, 3:45 p.m., 140 Fenske. R. Fiocco, Exxon Research and Engineering Company, on "Interfacial Phenomena in Extraction Separation Processes."

Thursday, May 5

Ceramic Science, 11 a.m., 301 Steidle. Raymond Bratton, Westinghouse R&D Center, on "Thermal Coating Technology."

Chemistry, 12:45 p.m., 55 Osmond. Geraldine A. Kenney-Wallace, Univ. of Toronto, on "Resonance Laser Spectroscopy and Molecular Dynamics."

Ecology, 4 p.m., 8 Mueller. Kenneth P. Sebens, Harvard Univ., on "Benthic Marine Ecology in New England: Species Co-Existence on Homogeneous Substrata."

Philosophy, 4 p.m., 203 Willard. Roberta Kevelson, philosophy, Berks, on "Peirce's Time as Method."

Exhibits

Chambers Gallery. Monday through Friday, 9 a.m.-5 p.m.; Saturday and Sunday, 1-5 p.m. Paper Images II, through April 24.

School of Visual Arts Undergraduate Program Show, opens April 29.

HUB Gallery

Gerald Lang, recent photographs in silver and platinum, through April 22.

Swarzland Tapestry Exhibition, April 24-28. Department of Architecture Exhibit, opens May 2.

The Browning Gallery: Tim Arnold, an exhibition of wood linays, through April 24. Art Alley: Slavic Folk Festival Exhibit, through April 30.

Kern Gallery

PSU Ukrainian Club. Carolyn Smith, prints.

Scot Mitchell, drawings.

Museum of Art

Museum Hours: 11 a.m.-4:30 p.m. Closed Mondays. Tours, Sundays, 1:30 p.m.

Selections from the Museum's Collection, through May 1.

Indian Art from the Collections of the Herbert F. Johnson Museum of Art, Cornell University and Penn State's Museum of Art, opens April 10.

Richard Mayhew, recent paintings.

Pattee Library

Lending Services Lobby: Laura Keith, photos.

East Corridor Gallery: Thomas Cartney and Peter Luchetti, printmaking, through April 24; Francesco Santinelli, paintings, opens April 24.

Black Studies Room: Anthony Brown, passionate drawings and paintings.

Rare Books Room: Jorge Luis Borges: an exhibit in honor of his visit, through April 29.

Paul Robeson Cultural Center

African and Afro-American Art, through April 30.

Zoller Gallery

Gallery Hours: Monday through Friday, 9 a.m.-5 p.m.; Saturday and Sunday, 1-5 p.m.

MFA Exhibition: A.R. Al Waki, sculpture, through April 24.

School of Visual Arts Undergraduate Program Show, opens April 29.

Varied artists highlight 1983-84 Artists Series

Artists from around the world will highlight the 1983-84 Artists Series season. From the Soviet Union comes the Soviet Emigre Orchestra; from Prague The Black Light Theatre; from Japan the Noh/Kyogen Theatre; from Poland the Warsaw Philharmonic; from Britain 6 ACTER from the Royal Shakespeare Company, and from Broadway U.S.A. comes 3 shows: *Amadeus*, *Joseph and His Technicolor Dream Coat* and *Harold . . . and the Boys*.

Again this year subscribers to one of the four series—Music, Theatre/Dance, Schwab Concert and Schwab Theatre—will be given priority for tickets to three special events: Claire Bloom in *These Are Women*, Humperdink's delightful *Hansel and Gretel* and the award-winning musical *Evita*.

In addition, subscribers either to the Music or Theatre/Dance Series receive a 25 percent discount off the price of individual tickets and subscribers to a combination series (Theatre/Dance & Music) receive a 30 percent discount. The Schwab Theatre and Concert series also feature discounts.

Recipient of every accolade New York can bestow, *Amadeus* will open the Theatre/Dance Series Sept. 18. Other events in the series: Ballet Nacional Espanol, on its first North American tour, will perform Sept. 24; the remarkable Alvin Ailey Dance Company, Nov. 18; the musical *Joseph and His Technicolor Dream Coat*, Jan. 22; the Black Light Theatre of

Prague, Feb. 19, and the Broadway show *Masquerade*, Feb. 19, and the Boys, March 16. These events will be held in Eisenhower Auditorium.

A full-length production of Puccini's opera *Madame Butterfly* will begin the Music Series on Oct. 15. The other five offerings will be Bach's *St. John Passion* performed by Gaechinger Kantorei of Stuttgart and the Los Angeles Chamber, Nov. 3; Warsaw Philharmonic Orchestra with Kazimierz Kord conducting and guest artist Misha Dichter, pianist, Nov. 13; The Soviet Emigre Orchestra with Lazar Gosman, music director, Feb. 3; Peter Serkin, pianist, March 3; the swinging "Joie de groove" of the Newport Jazz Festival All-Stars, April 13. All Theatre/Dance performances are in Eisenhower Auditorium.

Schwab Auditorium will host the remaining two series—Schwab Concert and Schwab Theatre. The Concert Series will begin on Oct. 7 with Trevor Pinnock, harpsichordist and the English Concert Quartet. Other offerings include the Pittsburgh Philharmonia with Michael Lankester conducting, Jan. 28; Stars of the D'Oyly Carte, Feb. 25; and three Grand Prize Winners/International American Music Competition: Henry Herford, baritone, Oct. 20, Randall Hodgkinson, pianist, Feb. 16, and Gregory Fulkerson, violinist, April 26. All performances are in Schwab Auditorium except for the Pittsburgh Philharmonia which is in

Eisenhower Auditorium.

The fourth series, Schwab Theatre, will open on Oct. 26 with ACTER/Actors from the Royal Shakespeare Company. They will also perform Oct. 28 and Oct. 29. Noh/Kyogen National Theatres of Japan will perform Feb. 11, and the final event in the series will be Peter Samuelson's Theatre of Illusion, April 6.

The Lively Arts for Young audiences programs will be continued by the Artists Series during the 1983-84 season. This year, the Alvin Ailey Youth Program will be on Nov. 19 in Eisenhower Auditorium; the Pittsburgh Philharmonia Youth Concert with Michael Lankester conducting, Jan. 26 in Eisenhower Auditorium, and a delightful program for children by the Potato People on March 24 in Schwab Auditorium.

The Artists Series will begin sales to new subscribers on Tuesday, May 3. Subscription order forms are available at the Eisenhower Auditorium Ticket Center, the Artists Series office in Pine Cottage, and at the Artists Series booth across from the main HUB desk. Further information may be obtained by telephoning 865-1871 weekdays, 9 a.m. to noon and 1 p.m. to 4 p.m.

Premiere performance

British composer-conductor Elgar Howarth will be a Visiting Fellow of the Institute for the Arts and Humanistic Studies April 26 to 28 to oversee the world premiere of his *Quintet for Brass* ("The American") commissioned by the Institute. The premiere will be at 8:30 p.m. Thursday, April 28, in Eisenhower Auditorium.

Mr. Howarth's residency will include a public lecture, "Conducting Modern Opera," at 8:30 p.m. Tuesday, April 26, in the Music Building recital hall. Both the lecture and the premiere are open to the public free of charge.

The premiere performance will include works for winds by three other British composers. The Symphonic Wind Ensemble, under the direction of Smith Toulson will perform Gordon Jacob's *Tribute to Canterbury* and Vaughn Williams' *Sea Songs*. Mr. Howarth will perform as guest conductor of the Ensemble for Holst's *Suite for Military Band*, no. 2. A brass quintet including faculty members Robert Howard and David Gatts, Dr. James Dunne, and students Ben Bristol and Brad Townsend, will perform the featured work of the evening, and Giles Farnaby's *Fancies, Toys and Dances*.

Mr. Howarth is well known as a conductor of modern opera in Europe and Australia. He recently conducted the London premiere of Gyorgy Ligeti's opera *Le Grand Macabre*.

He also conducted the Sydney (Australia) Opera's new production of

Mussorgsky's *Boris Godunov*, and Rossini's *Barber of Seville* at the Glyndebourne Opera. He appears regularly with the BBC Symphony and the Royal Philharmonic, and is the principal conductor for the London Sinfonietta.

Brown bag lecture

Museum of Art docent Dorothy Barnes will discuss the life and art of the sixteenth-century German artist Albrecht Durer at the last of this spring's brown-bag lunches at the University Museum of Art. Her talk, entitled "Some Notes and Slides on Albrecht Durer," will be given at 12:10 p.m. Thursday, April 28. One of the works by Durer which Mrs. Barnes will discuss is a woodcut print from the museum's permanent collection, the *Lamentation*, circa 1497-1500.

Orchestra in concert

The Penn State Symphony Orchestra will present a free concert at 8:30 p.m. Saturday, April 30, in Eisenhower Auditorium. Conductor Smith C. Toulson will lead the orchestra in performing the overture to Weber's *Der Freischütz*, and an aria from the same opera with soprano Dr. Suzanne Roy. Dr. Roy will also perform an aria from Verdi's *Otello*. Lendov's *Eight Russian Folk Songs* and Mendelssohn's *Symphony no. 3* ("Scottish") will complete the program.

Women's Chorus concert

A concert, "Music for Treble Voices," featuring the Penn State Women's Chorus under the direction of Clare Hemmenway, will be presented at 3 p.m. Sunday, May 1, in the Music Building recital hall.

The Women's Chorus will perform sacred and secular music from the Renaissance through the twentieth century, including works by Bach, Pergolesi, Poulenc, Faure, Monteverdi, Morley and Victoria: A selection of folk-inspired music will be included featuring the works of Bartok, Kodaly, Copland and selections from Brahms' *Liebesslieder* - *Walzer*.

Scholar will speak

Lady Rosalie Mander, a Victorian scholar known for her portrait of Rossetti and other studies of Pre-Raphaelites in art and literature, will present an illustrated lecture on the Pre-Raphaelites and their work at 8 p.m. May 4 in Room 101 Kern as part of the Department of English Colloquium series.

Her talk is entitled "Victorian Life in Art and Literature." Her visit is sponsored by the Institute for the Arts and Humanistic Studies and the Department of English.



Madame Butterfly

Bookshelf

Dr. Philip Jenkins, assistant professor of administration of justice, is author of a book entitled *The Making of a Ruling Class—The Glamorgan Gentry 1640-1790*, published by Cambridge University Press.

The book studies Glamorgan, a heartland of the Industrial Revolution and home of the wealthiest squire in western Britain. Dr. Jenkins attempts to fill the historical gap between the Civil War of the 1640s and the Industrial Revolution of the 1760s and to show how these two phenomena might have been connected.

There are few studies of the localities involved in shaping Britain's history during this period. Dr. Jenkins' study provides an extensive survey of the economic activities of the gentry of Glamorgan, their role as entrepreneurs and popularizers of the metropolitan culture of Georgian London.

He describes how during the 18th century, local elites from remote corners of Britain were united into one ruling class. The group shared common

attitudes, social outlook living standards and educational patterns and has maintained its power into the present century.

Dr. Jenkins has synthesized the social, economic and political changes in the years prior to industrialization, and studied the activities and attitudes of the gentry. He concludes by attempting to explain why Britain should have led the world in the twin processes of industrialization and modernization.

Gerald M. Phillips, professor of speech communication, is co-author of two books.

Living and Living with H. Lloyd Goodall Jr. is published by Prentice-Hall, Inc., New Jersey; and *Communication and Human Relationships* with Julia T. Wood is published by MacMillan Publishing Co., New York.

Dr. Phillips' co-authors both received their doctoral degrees from the Department of Speech Communication. Dr. Goodall is an assistant professor in organizational communication at the University of Alabama, and Dr. Wood is at the University of North Carolina.

Both books deal with the relationships

between men and women and are based on 10 years of extensive research and interviews with more than 4,000 people.

Communication is a textbook and *Living* is about possibilities in a relationship and is designed as a sourcebook of ideas. Both books use the same data and research.

Topics include: why we spend our lives with others; how we start our lives together; friendships; lovers—what people say about their mates; how love ends; enemies, hatred and other emotions; and handling problems with relationships.

In *Living*, Drs. Phillips and Goodall conclude that "given a basic standard of living, human contentment depends on the skill with which people relate."

"There do not appear to be common standards of success. People seem to work out unique ways of being happy, though their miseries spring from a common inability to cope with common problems."

"Hardly anything is written about normal people successfully living normal lives," the authors say in their introduction. "We think we have done that. We think we have written about

people normal enough that you can find yourself in this book."

Conference to honor psychologist Sherif

A conference in memory of the late Carolyn Wood Sherif, an award-winning Penn State psychologist, will be held at the University Park Campus April 22-24.

"Social Science, Social Policy and Social Justice" will explore the role that the social sciences play in shaping and evaluating social policy on social justice issues. Program topics include school desegregation, affirmative action, compensatory education, rape legislation and guns and violent crime. The conference is free and open to the public.

Dr. Sherif, who died last year, had held the rank of professor of psychology. She joined the Penn State faculty in 1966 and with her husband, Dr. Muzafer Sherif, worked on numerous studies and wrote 10 books.

For more information about the conference, contact the Keller Conference Center, 865-0313.

Partings

Robert J.E. Hemman, associate professor of engineering research at the Applied Research Laboratory, retired on March 31 after 35 years of service.

Mr. Hemman received a B.S. in electrical engineering from the Illinois Institute of Technology. Before coming to the Applied Research Laboratory, he taught physics, advanced electronics and microwaves, and served in the U.S. Army where he taught the repair, operation, and maintenance of radar units.

Throughout his years at the Laboratory, he was responsible for designing experiments; planning detailed, comprehensive test programs, and a series of at-sea tests.

Mr. Hemman is a registered engineer in Pennsylvania and Illinois and a member of the board of directors of the University Club.

Norman B. Miller, senior research associate at the Applied Research Laboratory, retired Jan. 31 after 23½ years of service, having been in poor health

since June, 1981.

Mr. Miller came to the University from Bell Telephone Laboratories, Whippany, N.J. in August, 1953. His Penn State service was interrupted in 1959 by two years employment at HRB-Singer and four years at GM Research Laboratories, Santa Barbara, Calif. Mr. Miller resides in State College.

Chester W. Ford, a dining hall supervisor, retired April 1 following 20 years of service.

Joining the University in 1962 after 20 years of military duty, Mr. Ford was hired as an assistant food supervisor in South Halls.

In 1968, he was promoted to head supervisor of Waring Dining Hall in the West Halls area. There he was in charge of seeing that all weekly meals were prepared on time and met quality and quantity standards.

Paul Petyak, who began his University service in the Applied Research Lab, retired April 1.

Mr. Petyak was a guard at ARL from 1959 to 1966, and was then promoted to coordinator/guide and camera operator.



Robert J.E. Hemman

From 1973 to 1983, he worked for the Division of Instructional Services, Maintenance and Operations, and the College of Earth and Mineral Sciences, from which he retired a storekeeper.

Georgia Burkett, secretary, Capitol Campus, from Jan. 15, 1968, to April 1.



Norman B. Miller

Henry D. Eng, research assistant, Applied Research Laboratory from April 1, 1946, to March 31.

Cheryl W. Rhen, secretary, Gifts and Endowments, Hershey, from Jan. 19, 1973, to March 19.

Obituaries

Dr. Donald S. Cryder, 91, who retired July 1, 1945, as head of the Chemical Engineering Department after 33 years of service, died March 31.

Dr. Cryder received his bachelor of science degree in industrial chemistry in 1920 and his master of science degree in 1923 from Penn State. He received a master of science degree in 1929 and a doctor of science degree in 1930 from Massachusetts Institute of Technology. He was named head of the newly created Department of Chemical Engineering at Penn State in 1948. He was a member of the American Chemical Society, American Institute of Chemical Engineers, Society of Sigma Xi, Phi Kappa Phi, Sigma Tau, Acacia Fraternity, University Club at Penn State and the American Association of University Professors.

A memorial service for **M. Leonard Shaevel**, associate professor of physics at the Hazleton Campus who died Dec. 27, will be held at 2 p.m. Sunday, April 24, in the Hazleton Campus Library.

Professor Shaevel, a member of the Hazleton Campus faculty since 1966, had

twice been given awards by students at the campus for his outstanding teaching. In 1981 he received the AMOCO Foundation Teaching Award. He also earned the distinguished title "Master Teacher" at Penn State.

The memorial service, which will be attended by members of Professor Shaevel's family from Massachusetts and Florida, is open to the public.

Julia K. First, records clerk in Admissions and statistical clerk and records clerk in Student Affairs from Sept. 1, 1960, until her retirement May 1, 1962, died April 2 at the age of 70.

Carolyn L. Mosier, saleswoman in Housing and Food Services from Nov. 28, 1944, until her retirement Jan. 3, 1965, died March 30. She was 82.

Thank You Note

I want to express my sincere appreciation for the many kindnesses shown to me and my family on the death of my husband, **James Glaze**, landscape group leader who died March 30. Your thoughts and concern meant a great deal to us.

Bonnie Glaze, Centre Hall

Faculty/Staff Alert

Attendance at other universities

If you know of an undergraduate who is planning to attend another college or university over the summer, it is very important that the student observe the following steps in order to make certain the course(s) he or she plans to take will transfer back to Penn State:

(1) Obtain a copy of the other institution's course schedule to determine that the course(s) the student wants to take will be offered for the session he or she plans to attend.

(2) Bring (or send) that schedule book (with course descriptions, if possible) to 201 Shields Building at University Park to be reviewed by a transfer admissions counselor. If the credits will transfer to Penn State, the transfer counselor will provide the student with a form showing how they will transfer.

(3) Take the form the transfer counselor has completed to the academic adviser to determine how the course(s) approved by the Admissions Office will apply to the student's specific program.

(4) When the course(s) have been completed, have the other institution send an official transcript directly to the Penn

State Undergraduate Admissions Office, 201 Shields Building, University Park, PA 16802.

(5) When the Undergraduate Admissions Office receives the transcript, a postcard will be sent to the student indicating that it has been received and that he or she will need to submit a \$3.00 recording fee. When the fee is received, the credits will be added to the Penn State transcript (if grades of C or higher are obtained) and confirmation sent to the student and to the College Dean's Office.

If the individual will be attending the other institution for more than just the summer, he or she should consult with an academic adviser about leave of absence appropriate. Any questions regarding these procedures may be directed to the Undergraduate Admissions Office, 863-2947.

Carpooler

Joyce Rogers is looking for someone to share a ride from Rt. 26 near Jacksonville to the University. She works from 7:45 a.m. to 4:45 p.m. at Shields Building and can be reached at 865-7525.

Penn Staters

Dr. Henry S. Albinski, professor of political science, has succeeded **Dr. Gerard J. Braut**, professor of French, as president of the Middle Atlantic Conference for Canadian Studies.

Dr. Dale Brownawell, professor of mathematics, and **Dr. Wen-Ch'ing Winnie Li**, associate professor of mathematics, have been invited to present one-hour addresses at meetings of the American Mathematical Society (AMS) this year. Dr. Brownawell discussed "Contemporary Trends in Transcendence Theory" at the April AMS meeting in New York City. Dr. Li will present her address at the Albany meeting in August.

Dr. Samuel S. Dubin, professor emeritus of psychology, presented a month-long series of seminars and lectures in Israel at the invitation of the IRA Foundation for Human Engineering. He presented seminars on technical obsolescence and maintaining technical effectiveness to a variety of organizations, including the Israeli Aircraft Company, Israeli Electric Company, National Water Company, and a group of senior civil servants.

Catherine Egan, assistant director of Audio Visual Services, has been appointed to the Media Arts Advisory Panel of the Pennsylvania Council on the Arts.

Dr. Richard L. Frautschi, head of the Department of French, made presentations at a Colloquium at the University of Liege on "Quelques tentatives d'analyse narratologique quantitative du récit en prose" and "Le jeu des axes de narration dans Les Liaisons dangereuses: l'apport de la focalisation énonciative."

Dr. David B. Geselowitz, professor of bioengineering and medicine, has had a paper selected as a "Citation Classic" by the Institute for Scientific Information (ISI), publishers of *Science Citation Index*. The paper, "Multiple Representation for an Equivalent Cardiac Generator," was published in the 1960 *Proceedings of the Institute of Radio Engineers*. ISI identifies a paper as a "Citation Classic" on the basis of the number of times it is cited in scientific literature.

Dr. Harlan Hoffa, professor of art education, has been inducted as a Distinguished Fellow of the National Art Education Association.

Dr. Budugur Lakshminarayana, professor of aerospace engineering and director of the Computational Fluid Dynamics Studies Program, lectured on "Three Dimensional Shear Flows" and "Shear Flows in Turbo-machinery" at the von Karman Institute for Fluid Dynamics in Belgium. He participated in the program as a consultant for NATO's Advisory Group for Aeronautical Research and Development.

Dr. S.V. Martorana, professor of education, has been named by Gov. Dick Thornburgh to aid in the establishment of the Pennsylvania State System of Higher Education.

Dr. Martorana will serve as one of 11 members of a "transition team" which is assisting the Board of Governors of the new system, encompassing all state colleges and Indiana University.

Laurance W. Miller, doctoral candidate in adult education, has been selected by the Pennsylvania Chapter of the National Association of Social Workers as "Social Worker of the Year" for 1983.

Penn State Press has been awarded a grant from the National Endowment for the Humanities to facilitate publication of the first three volumes of *Annals for the Study of American Minorities*. The Annals contain annotated bibliographical entries on the life and culture of 41 U.S. ethnic groups. Entries were prepared by a team of scholars and librarians under the editorship of Wayne C. Miller of the University of Cincinnati.

Dr. Donald J. Willower, professor of education, presented an invited paper entitled "Mystifications and Mysteries in Thought and Research in Educational Administration" at a conference of U.S. and Canadian professors of educational administration sponsored by the University Council for Educational Administration.

Metallurgy program to observe 75th anniversary

Discussion of the future of the U.S. metals industry by five of its leaders — all Penn State graduates — will highlight observance of the 75th anniversary of the University's metallurgy program, April 29-30, at the University Park Campus.

A panel of executives of four of the country's leading metals manufacturers will consider "The Metals Industries — What's Ahead for Them?" at 2:45 p.m. Saturday, April 30, in Room 112 Walker Bldg.

Moderator of the panel will be President Emeritus Eric A. Walker. Panel members will be Dr. Dennis J. Carney, chairman of the board and chief executive officer, Wheeling-Pittsburgh Steel Corp.; Dr. Frederick C. Langenberg, president, Interlake, Inc.; Dr. Adolph J. Lena, chairman of the board and chief executive officer, Al Tech Specialty Steel Corp.; Frank W. Luerssen, president, Inland Steel Co., and Hal L. Harman, group vice president, metal casting divisions, Interlake, Inc.

Of the panel members, all have Penn

State metallurgy degrees except Mr. Luerssen who is a physics graduate. However, both his father and brother received degrees in metallurgy at Penn State.

At 2 p.m. Saturday, Mr. Harman, 1983 recipient of the David Ford McFarland Award of the Penn State Chapter of the American Society for Metals, will present the McFarland Award address, "Challenges Facing the Metals Industries in the 1980s."

In his talk, he will set the stage for the panel discussion, presenting three primary questions: What caused the metal industries' problems? what realities have developed as a result of these problems? and, finally, what should be done about the problems?

Many of the more than 1,300 metallurgy alumni are expected to return to campus to take part in the diamond anniversary celebration. First event of the weekend is an open house from 2 to 5 p.m. Friday, April 29, in the metallurgy facilities in Steidle Building, featuring exhibits on

current research projects. The open house will continue from 9 to 11 a.m. Saturday, April 30.

A bronze plaque commemorating the Robert W. Lindsay Award for outstanding work in physical metallurgy at the undergraduate level will be unveiled in the foyer of Steidle Building at 11 a.m. Saturday. This award, established in 1980, honors Dr. Robert W. Lindsay, professor emeritus of metallurgy.

Final event of the weekend program will be a banquet at 6:30 p.m. Saturday at the Penn State Sheraton. Presentation of the 1983 David Ford McFarland award to Mr. Harman, and a review of the metallurgy program's history by Dr. Lindsay will highlight the dinner program.

Metallurgy had its formal beginning at Penn State with the establishment of a department of metallurgical engineering in the 1907-08 academic year. However, as an option within the mining curriculum, metallurgical engineering had been inaugurated in 1893 when the first

department of mining was set up. The mining department was reorganized in 1906 as the School of Mines and Metallurgy and it was within this administrative unit that metallurgical engineering achieved department status. The School of Mines and Metallurgy was a predecessor of Penn State's present-day College of Earth and Mineral Sciences.

The Metallurgy Program has produced an unusually large percentage of highly successful graduates who have risen to positions of leadership in many of the nation's largest companies. Currently, five alumni are presidents or board chairmen of firms listed in *Fortune* magazine's "Directory of the 500 Largest U.S. Industrial Corporations." Six metallurgy graduates have received Penn State's Distinguished Alumnus Award, the University's highest honor.

Reservations for the anniversary banquet may be made by contacting Dr. John H. Hoke, Metallurgy Program chairman, 209 Steidle Bldg., 865-5446.



Walker

Carney

Langenberg



Lena

Luerssen

Harman

STAFF VACANCIES

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., April 28, 1983. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with *Staff Employment Practices (SPS-1)* and in compliance with the University's *Affirmative Action Compliance Program*, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

● **Assistant Patient Unit Coordinator, College of Medicine, Hershey** — Responsible to the patient unit coordinator for the scheduling of personnel and the management of patient flow through the operating room. Also responsible for insuring the availability of supplies and the operational efficiency of the work area. Bachelor of science in nursing from an accredited school of nursing or equivalency plus one to two years of effective experience and currently licensed to practice as a registered nurse by the Pennsylvania State Board of Nurse Examiners.

● **Director, University Art Museum, University Arts Services, University Park** — Responsible to the dean of the College of Arts and Architecture/director of University Arts Services for planning and developing special exhibitions and programs, acquisition and deacquisition, restoration, fund raising and development, facility development, and budget. Coordinating activities of Friends of the Museum, the Docent Training Program, and the Museum Store. Developing a liaison with academic departments and other members of the community. Supervising a staff of 12. A master of arts, master of fine arts or the equivalent education is required. Over four years up to and including seven years of effective experience as a Museum administrator or in connection with the administration of an art museum is necessary. Development and fund-raising experience desirable.

● **Patient Unit Coordinator (B), College of Medicine, Hershey** — Responsible to an assistant director of nursing services for the

development, coordination of patient care services, maintaining acceptable standards of nursing care and providing leadership to staff nurses and other patient care personnel. Bachelor of Science in nursing or equivalency, current licensure to practice as a registered nurse by the Pennsylvania State Board of Nurse Examiners, plus two to four years' effective experience.

● **Ophthalmic Technologist, College of Medicine, Hershey** — Responsible to the clinic coordinator and to the director of ophthalmology for various ophthalmology tests and evaluations. A bachelor's degree in a CAHEA accredited ophthalmic technology or equivalency and a current nationally recognized certificate or competence in cardiopulmonary resuscitation and three to twelve months of effective experience.

● **Financial Officer, Controller's Office, McKeesport Campus** — Responsible to the director, financial officers and to the campus executive officer for maintenance and control of current general fund, restricted fund budgets and the interpretation and enforcement of budget policies and procedures. Maintain liaison between Controller's Office and campus on all accounting matters. Responsible for the overall supervision and personnel matters for campus clerical work force. Bachelor's degree or equivalent in accounting plus two to four years of effective experience in accounting operations.

● **Clinic Coordinator, College of Medicine, Hershey** — Responsible to the manager, Ambulatory Services and/or the assistant manager of Ambulatory Services for assistance in providing clinical and technical supervision and the promotion of clinical efficiency within a designated unit in outpatient clinics. Associate degree in business administration or equivalency plus three to four years of effective experience in the performance of administrative type duties and supervision of clinical personnel.

● **Financial Officer, Controller's Office, York Campus** — Responsible to the director, financial officers and to the campus executive officer for maintenance and control of current general fund, restricted fund budgets and interpretation and enforcement of budget policies and procedures. Maintain liaison between Controller's Office and campus on all accounting matters. Responsible for the overall supervision and personnel matters for campus clerical work force. Bachelor's degree or

equivalent in accounting plus two to four years of effective experience in accounting operations.

● **Area Representative, Commonwealth Educational System, King of Prussia Center for Graduate Studies and Continuing Education** — Responsible to the director for the functions of development, organization, operation, and administration of Continuing Education programs and services within an assigned geographic district. Bachelor's degree or equivalent, plus two to three years of directly related experience in business, industry, or education.

● **Program Assistant, Commonwealth Educational System, King of Prussia Center for Graduate Studies and Continuing Education** — Responsible to the assistant director for planning, organizing, marketing and administering Continuing Education and Graduate programs offered through the Center. Bachelor's degree or equivalent education or training, plus one to two years of effective experience in an administrative area such as program development and coordination, scheduling registration. THIS IS A FIXED TERM 1 POSITION FUNDED UNTIL JUNE 30, 1984 WITH POSSIBILITY OF REFUNDING.

● **Public Relations Representative, College of Engineering, University Park** — Responsible for planning, developing and implementing public relations/information programs for the College of Engineering. Assignments include writing and editing news stories and feature articles,

preparing brochures, newsletters, slide shows, speeches, and similar public relations activities. This is a joint appointment between the College of Engineering and the Office of Public Information. Bachelor's degree or equivalent in journalism, English, or related field required, plus two to three years' effective experience. Newspaper, wire service or public relations background preferred.

● **Foreman, Maintenance & Operations, Hazleton Campus** — Responsible for operation and maintenance of Hazleton Campus physical plant including planning, supervision, purchasing, training, performance review, recommendations for alterations and improvements to facilities, and liaison with contractors engaged in new construction and alterations. Associate degree in mechanical or electrical engineering or equivalent outside training. Over two years up to and including four years of effective experience in power or industrial plant operations, electrical work or construction, including supervision of employees.

● **Laboratory Assistant, Capitol Campus** — Immediate opening. To provide technical aid to faculty and students using laboratory. Includes responsibility for the overall effective and efficient day-to-day operations of the chemistry and environmental laboratory facilities. Position requires operation of analytical instruments and assistance in microbiology lab. B.S. in chemistry or equivalent.

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Lindback Award winners are announced

Two University faculty members have been named co-winners of the Christian R. and Mary F. Lindback Award for Distinguished Teaching.

They are John W. Moore Jr., assistant professor of English, and Manfred Kroger, professor of food science, both at University Park Campus.

Each will receive a certificate and a check for \$1,000 from President Oswald, and Vice President for Undergraduate Studies Robert E. Dunham at Spring Term commencement exercises on Saturday, May 28.

Dr. Moore, a member of the faculty since 1967, says he presents students with the problems that exist in a literary text and helps them to understand and resolve those problems.

"The important thing is for students to be able to come to their own conclusions about what's happening in a literary text. Through discussion, they can refine what they have to say.

"When the students first enter the class, they have a good but possibly unfocused set of ideas about what they have read. After the give and take of discussion, they learn to describe more fully what is

happening and to express themselves more precisely," Dr. Moore says.

One student has described his teaching method as "guided discovery." He uses discussions, rather than lectures, to teach students about literature.

"In talking about literature," Dr. Moore says, "students discover the value in the text as well as the value in themselves. This sense of self-enoblement which a student can get from literature is what the study of humanities is all about."

Stanley F. Paulson, dean of the College of the Liberal Arts, in nominating Dr. Moore said, "With beginning students or with veteran faculty members who have spent a good share of their lives developing their knowledge, John Moore is able to teach in ways that leave memorable impressions."

A former student said, "Dr. Moore came willing to listen and guide me in my writing and studies as no other professor I have known. He is a rare and wonderful educator who becomes involved and cares."

Another student said, "He combines to a remarkable degree an obvious knowledge of and enthusiasm for his

subject with the ability to transmit that enthusiasm to students."

Dr. Moore, who has been director of the Honors Program in English for three years, says experience in teaching is very important. It has enabled him to establish

the principal predicaments students will find in a text.

"I know from experience what the difficulties will be, so I can go quickly to those areas and force the students to

(Continued on page 2)



John W. Moore Jr.



Manfred Kroger

Top award recipients named by University

Robert A. Patterson, vice president for investments, treasurer and senior vice president emeritus; Dr. Roy C. Buck, professor emeritus of sociology; and Dr. Mary M. Dupuis, associate professor of education, are recipients of three major University awards.

The John E. Wilkinson Award for Administrative Excellence, the McKay Donkin Award, and the Barash Award for Human Services will be presented by President Oswald at a reception May 15.

(See stories and photos on page 2.)

Faculty and staff-related costs are rising

The University's faculty- and staff-related costs are rising faster than at any other time in the University's history. This comes at a time when the revenue sources of the University are also under severe pressures.

Comparing the four-year period between fiscal years 1978-79 and 1982-83, some costs have risen as follows:

- University contributions for the State Employees' Retirement Plan have gone up from 13.0 percent to 17.85 percent of salary. The employee rate has remained at 5 percent of salary.
- The University's share of the cost for

hospital/surgical/major medical coverage has gone up from \$215.04 to \$817.32 per year for the single employee and from \$486.77 to \$1,622.16 per year for the employee who covers dependents. The employee's share of the cost for family coverage has decreased from \$60 a year to \$30 a year.

• Dental and visual coverages are new in the past four years. The University's contributions for dental insurance and visual coverage are \$105.72 per year for single employee and \$279.72 per year for the employee who covers dependents. The employee cost for family coverage is

\$32.52.

• In 1978-79, the University contributed an average rate of 6.09 percent on an effective salary base of \$17,700 into Social Security for each employee. In 1982-83, the University contributes 6.70 percent on an effective salary base of \$32,400 (\$35,700 effective Jan. 1, 1983). Employee contributions to Social Security are the same as the University's contributions.

Thus, the cost to the University for each faculty and staff member has risen drastically during a time of austere budgets. The rapid escalation of medical

(Continued on page 5)

Four faculty members will receive AMOCO awards

Four faculty members will receive the 1983 AMOCO Foundation Outstanding Teaching Awards at the Honors Convocation at 2 p.m. Sunday, May 8, in Eisenhower Auditorium.

They are Paul R. Cornwell, professor of psychology; Robert P. Hostetler, associate professor of mathematics at Behrend;

Robert L. Kabel, professor of chemical engineering, and James F. Smith Jr., associate professor of English and American studies at Ogozont. Each recipient receives \$1,000.

Provost Eddy said the recipients are chosen from a group nominated by faculty members and students. They were

recommended as finalists by a University committee made up of faculty members and students and chaired by Dr. Robert E. Dunham, vice president for undergraduate studies.

During the convocation, more than 300 undergraduate students will be honored for academic excellence.

Lesley Stahl, CBS News White House Correspondent, will give the keynote address.

Paul R. Cornwell

"Students are important," says Dr. Paul R. Cornwell in describing his teaching philosophy.

(Continued on page 3)



Paul R. Cornwell



Robert P. Hostetler



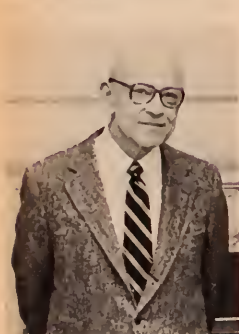
Robert L. Kabel



James F. Smith Jr.



Mary M. Dupuis



Roy C. Buck



Robert A. Patterson

Mary Dupuis named Barash Award recipient

Dr. Mary M. Dupuis, associate professor of education, is the 1983 recipient of the Barash Award for Human Services.

The family of the late Sy Barash of State College created the annual award in 1975. The award, which consists of a \$1,000 check, recognizes a full-time member of the Penn State faculty, staff or student body "who has contributed most, apart from regular duties, to human causes, public service activities and organizations or welfare of other humans."

Sy Barash, a Penn State graduate, was a State College businessman from 1953 until his death in 1975. Over the years, he devoted much time, energy and leadership to humanitarian causes on and off campus.

"Dr. Dupuis has made outstanding contributions — not whimsically, sporadically, or fashionably — but consistently" in human causes and public service activities, her nomination citation notes.

For example, the citation says, she has served on the Mental Health/Mental Retardation Board of Centre County, been an active supporter of MH/MR objectives and, on occasion, opened her own home as a refuge for family members of MH/MR clients in emergency situations. She has been active in local, state and national politics.

Dr. Dupuis was recently chosen president-elect of the 3,100 member Keystone State Reading Association. She is the first Penn State ever named to that post. KSRA is the state branch of the International Reading Association, which has more than 50,000 members worldwide.

She also proposed and directed a Statewide Content Area Reading Program to improve students' reading skills and teachers' methods for teaching those skills throughout Pennsylvania.

In 1983, Dr. Dupuis was assistant director of the Penn State Rhetoric Project,

an in-service program in writing for English teachers. She often speaks to, and presents workshops for, groups of teachers around the state. She serves on national committees of the National Council of Teachers of English and the International Reading Association.

"Her service in this area gives exemplary meaning to the phrase 'one University, geographically distributed,'" the citation adds.

Dr. Dupuis has been an active member of the American Association of University Women and the National Association for the Advancement of Colored People. She has also been a supporter of the Native American Program in Penn State's College of Education and Penn State's training program for Japanese teachers. In addition, she has been concerned with the welfare of fellow humans through more conventional organizations such as the Girl Scouts, 4-H and PFA.

Retired professor gets McKay Donkin Award

Dr. Roy C. Buck, professor emeritus of sociology and social science, is the recipient of the 1983 McKay Donkin Award. The award includes a certificate and a \$500 check.

Established in 1969, the award honors the late McKay Donkin, who served as vice president for finance and treasurer of the University from 1957 to 1968. It is presented annually to the full-time member of the faculty or staff or to the retiree who has contributed most of the "economic, physical, mental or social welfare of the faculty" of the University.

Dr. Buck has "spoken out with reason, directness and colorful Pennsylvania humor to help bring about resolution and reconciliation in times of faculty tension, disagreement or frustration," his nomination citation noted.

He has been a member or chairman of groups dealing with faculty personnel policies, faculty rights and responsibilities, minority relations and needs and external faculty opportunities through Continuing

Education. He also has been active in groups studying the faculty's role in university governance and cooperation of Commonwealth Campus and University Park faculty members in scholarly work.

He was at one time a member or chairman of 27 committees at the University. As a member of the University Faculty Senate from 1972-78, he was the first chairman of the Faculty Rights and Responsibilities Committee, chairman of the Intra-University Relations Committee and a member of the Planning and Development Committee.

He still maintains membership on a special tenure and promotion committee of the College of the Liberal Arts. In addition, he was the originator and first chairman of the Pennsylvania Studies Committee in the College.

Dr. Buck joined the Penn State faculty in 1949. He holds a bachelor's degree in agricultural education and a master's degree in rural sociology, both from Penn

State. His Ph.D., in sociology, was conferred by the University of Minnesota.

Prior to his retirement in 1981, he traveled extensively in Lancaster County to research the impact of tourism on the Amish people. He has talked with many tourists and has maintained regular contact with several Amish families as part of his research. His other research interests are community tourism development, the cultural phenomenon of play and the study of nostalgia.

He received many grants to pursue his research interests while a faculty member at Penn State, including a Rockefeller Foundation Grant; one of the first grants given by the U.S. Office of Education (1958); and the first grant given by the Pennsylvania State Department of Community Affairs for continuing education for local government officials.

Dr. Buck continues to teach two courses a year at the University on a voluntary basis.

Patterson receives John E. Wilkinson Award

Robert A. Patterson, vice president for investments, treasurer and senior vice president emeritus, is the recipient of the 1983 John E. Wilkinson Award for Administrative Excellence.

Established in 1970 by a proclamation of Gov. Raymond P. Shafer and by friends of John E. Wilkinson, lifelong Centre

County businessman, it is given annually to a Penn State administrator whose performance methods and achievements exemplify administrative excellence. It carries a \$500 stipend.

Last year, Mr. Patterson was appointed by Governor Thornburgh to a nine-member commission to study

revitalization of the state's rail network. More recently, he was appointed affiliate professor of transportation in the Department of Business Logistics of Penn State's College of Business Administration.

Mr. Patterson joined Penn State in 1968

(Continued on page 5)

Lindback: Moore, Kroger

(Continued from page 1)

consider alternative ways of answering the problems. I help the students decide what alternative is the most valid for them as individuals.

"It's not a question of what I think, but how each student reasons. My intent and the role of a liberal arts education are to teach students the nature of human nature by examining images of human nature in literature and drawing conclusions from them."

He teaches an introductory composition course, two undergraduate Shakespeare courses, a course on Milton, a comparative literature survey course and Renaissance English poetry.

He first learned he enjoyed teaching as a first-year graduate student at Stanford University. He received his A.B. degree in English/philosophy from Boston College; two M.A. degrees in English from Boston College and Stanford; and his Ph.D. in English from Stanford.

His interests include Spenser, Renaissance English poetry and drama, Shakespeare and the history of the English language. He is working on a book on *The Shepherds Calendar* and an annotated bibliography of Spenser.

In 1972, he received a research grant from the Institute for the Arts and Humanistic Studies. He received the English Graduate Organization Award for Outstanding Teacher in 1979 and 1980, and in 1981, received the Liberal Arts Alumni Teaching Award.

Manfred Kroger

Dr. Kroger began his food science career in West Germany, but had to go to Canada to earn a degree because no program in the field was offered in his native country.

He received his bachelor's degree at the University of Manitoba in Winnipeg, then pursued his master's degree and Ph.D. at Penn State. He joined the University's faculty in 1963.

Dr. Kroger describes teaching as "a great profession for me. The amazing thing is, you're getting paid for what you like and love to do and that provides a climate for productivity, professionalism and pleasure."

"In the constant contact with students I've learned to stay young and up-to-date with the current culture, which is a very exhilarating experience."

Interim Food Science department head

Dr. Philip G. Keeney says Dr. Kroger is not only highly rated by his students and colleagues, but is "in great demand" as a speaker for conferences and committees dealing with contemporary food and nutrition issues.

"The ability to speak to a class authoritatively on something appearing on TV the night before or in the morning paper is a Kroger trademark," Dr. Keeney says. "He is a busy, busy professor of great curiosity and talent. He could direct his energies in many directions to find professional satisfaction."

During his tenure at the University, Dr. Kroger has developed four new courses. He has been faculty adviser to the Coaly Society, an honor society for undergraduates in the College of Agriculture, since 1977, and faculty associate to the Science, Technology and Society Interest House since 1982. He is presently completing his eighth consecutive year in the Faculty Senate, representing the College of Agriculture.

Dr. Kroger is regional communicator for the Institute of Food Technologists and is scientific adviser to the American Council on Science and Health.

Food Science Professor Edward D. Glass said Dr. Kroger's skills as an educator can be attested to by the continuous increase in his teaching activity during his 19 years

on the faculty, as well as "the diverse and contemporary nature of the courses which he teaches."

Dr. Kroger says he maintains that "diversity" by teaching in areas outside food science including the Environmental Resource Management program and the Science Technology Society Program. He also is affiliated with the Environmental Pollution Control program, he notes. "I've been working at this to really become an integrated person."

Dr. Kroger routinely tapes his lectures so that students may use them as a review aid. For some courses, he provides students with a copy of his own class notes instead of requiring a text because the lecture material is subject to frequent updates.

A former student of Dr. Kroger's, John C. Weaver, now serving as manager of international product development for PepsiCo, Inc., says the professor's dedication to teaching "was a motivating factor in itself and led to a devotion to excellence in his classes."

Dr. Weaver credits Dr. Kroger's role as his adviser in the 1970s as the reason he went on to his master's degree and doctorate. "His support, encouragement and teaching have, and still are, influencing my professional career," Dr. Weaver says.

AMOCO award winners

Paul Cornwell

Since 1978, when his office was moved from the edge of campus to Moore Building, he has been more accessible to students, and they have responded to him more by spending a lot of time with him in his lab.

"My whole way of life changed when my office was moved," he says. Before that, students rarely found their way to his office near the Materials Research Laboratory.

"I had a conventional approach to lectures giving the students everything I thought they needed to know, as though that would be my last contact with them. Now, my contribution to teaching is as a resource base with students.

"I put more responsibility on the students to learn on their own. I loan

(Continued from page 1)

quite a few of my own books and suggest areas in the library where students can find other resource materials."

He says he doesn't consider himself a superior lecturer or discussion leader. What he offers students is his time. He is available on a constant basis and motivates them to pursue their own discoveries.

Dr. Cornwell is a neuroscientist who studies how animals, such as cats, recover from very early brain damage. It's an area of research he has pursued since his postdoctoral days.

Neuroscience, he says, is an amalgam of a number of disciplines: biochemistry, physiology, anatomy, genetics, psychology and ethology. It resulted 15 years ago largely from revolutionary

discoveries in histochemistry — the study of chemical components of cells through the use of chemically specific staining agents.

The techniques allowed scientists for the first time to study the chemicals of the brain without destroying it, he says.

"The field is growing and changing rapidly. It's an exciting area." He concentrates his research time into intensive projects during Christmas breaks and summers. Many of his colleagues and collaborators are at the Medical College of Pennsylvania in Philadelphia.

It's difficult to balance ongoing research with time spent with students, he says. He has responded by giving students his time and attention, and he doesn't regret the decision.

He teaches three courses regularly: Introduction to Psychology, with enrollments of as many as 400 students; Introduction to Experimental Methods in

Psychology; and Introduction to Physiological Psychology.

In addition, he regularly teaches informal groups of students lab methods in his own lab. Smaller classes let him get to know students as individuals, he says.

He earned his B.S. in premed and M.A. and Ph.D. in psychology from the University of Michigan and joined the University faculty in 1966. Prior to that, he was a Postdoctoral Fellow (NIH) in neurophysiology at the University of Rochester Center for Brain Research and a Predoctoral Fellow (NIMH) at the University of Chicago Department of Psychology.

His own research has been funded by grants from the U.S. Public Health Service for investigation of neonatal brain damage and vision and from the University for study of damage to the visual system in birds (with Emerson Hibbard, professor of biology).

Robert Hostettler

Dr. Robert Hostettler's students wouldn't be surprised if he orders them to stop taking notes during a lecture.

"Sometimes I tell them to put their pencils down," he admits, "and hopefully, they'll catch more."

Dr. Hostettler says teaching has "been in my plan" since the fourth grade.

"I had an enthusiastic teacher then who excited me about teaching, and I haven't wavered from that excitement."

Dr. Hostettler taught mathematics at the high school level for three years before joining the faculty at Behrend College in 1964. He earned his master's degree from Penn State in 1965 and his Ph.D. in 1970.

He says teachers can take two different approaches to their jobs: "One is the product standpoint. You try to mold and shape the students to look your way." The second, he believes, is to act as "a servant" to the students' needs. He definitely prefers the second, he says, because the "molding" method "is just

not satisfying. They don't always come out your pre-conceived way."

Dr. Hostettler would rather "serve" his classes, "so that I can tune in and see their successes and failures along the way. It's rewarding for me to see them make a hurdle and sense them saying, 'Aha! Now I understand.'"

Recently, Dr. Hostettler has taught several remedial math courses which he finds as satisfying as his most advanced calculus classes. "Those students need me more than in the advance courses," he says. "It's rewarding."

He also enjoys teaching classes of prospective elementary schoolteachers "because most of them don't like mathematics. They're scared and it's a challenge to change their attitudes."

Dr. Hostettler says he has "run the gamut" in teaching math courses, from algebra to advanced calculus and analysis. He likes the variety of teaching up to 10 different courses over a two year span, he says.

His own theory on teaching mathematics, he says, includes "a three-fold perspective: math as a skill, an art and a process."

The old math era, he explains, viewed math primarily as a skill. The new math emphasized mathematics as an art. "Now the 'aftermath' era has evolved into a study of mathematics as a process in which problem solving skills are given in the main emphasis."

Dr. Hostettler says teachers "fall short" in relating the "process" to students because "we don't expose our method of thinking, our process. . . we're afraid we'll make mistakes."

The professor advocates a teaching policy of "don't overprepare" and "demonstrate more."

"Don't overprepare to the extent that you exclude the original thinking that went into the solution of the problem. Be willing to take the risk of exposing your way of thinking mathematically."

"For instance," he adds, "a three-line proof of a complex theorem does not

reveal the three pages of thinking that resulted in the three line proof."

A member of the National Council of Teachers of Mathematics and the Mathematical Association of America, Dr. Hostettler is also in charge of the mathematical studies major at Behrend College and served as coordinator of the mathematics faculty from 1973 to 1975.

He has co-authored three college level math textbooks along with eight supplemental books. His most recent, *Brief Calculus with Applications*, a collaboration with Dr. Roland Larson, was published in January. Their previous book, *Calculus, 2nd Edition*, was the largest selling of all college textbooks published by D.C. Heath and Co. in 1982.

Dr. Hostettler says writing has "really made me more vital in the classroom. It has also helped me to better anticipate where the students are going to have difficulties. Those concepts that are difficult to write out in simple terms are the ones students are most likely to struggle with."

Robert Kabel

Dr. Robert Kabel terms his teaching philosophy a "strategy": "You have to establish the expectations you have for the students and let them know what you ultimately want to accomplish. . . But you have to appreciate their efforts too, and I think I do that."

The AMOCO-award winning professor has been associated with the Chemical Engineering Department for 20 years.

He says he knew he wanted to be a teacher as early as junior high school in Champaign, Ill., especially after being "turnaround" — the day set aside each year when the students reversed roles with the teachers.

"I liked it. It was like working with young athletes. I just wanted to help people do better."

But Dr. Kabel says he never aspired to a career beyond teaching his school chemistry. That is, until he entered the University of Illinois and switched from a straight chemistry major to chemical

engineering.

He transferred to take advantage of "greater mathematical applications" in engineering, Dr. Kabel recalls. "I saw the other interesting challenges like industrial practice." But though he spent many summers doing research, design and development for some of the country's major oil companies, he kept returning to teaching.

"That's a pretty important part of my background," he says about his work with Exxon, Chevron, Sun, and Conoco. "But I know an academic career was what I really wanted."

Dr. Kabel earned his bachelor's degree in 1955 at Illinois and his Ph.D. from the University of Washington in 1961. He served in the U.S. Air Force as a program officer for the Space Systems Division in Los Angeles from 1961 to 1963, before accepting a position on the University faculty in August 1963. Dr. Kabel is responsible for introducing transport phenomena and chemical reaction

engineering to the undergraduate curriculum, as well as graduate courses, innovations which have received widespread attention.

Earlier this year he earned the Western Electric Fund Award from the American Society for Engineering Education, and last year was the recipient of the Outstanding Teaching Award from the College of Engineering.

Dr. Kabel cites as international highlights of his career a visiting lectureship at Pahlavi University, Iran, in 1978, and fellowships spent in Belgium and Norway.

He is a member of the American Institute of Chemical Engineers, chaired its Educational Projects Committee and has served on its Journal Editorial Board since 1980.

Dr. Kabel views the current shortage in science and math teachers as "crucial."

"Frankly, we just have to pay the high school science teachers more," he believes.

Dr. Kabel says many students who excel in science or math leave high school with plans to become teachers. "But then they get their horizons widened in college.

They don't choose teaching because they find other fields equally stimulating and more lucrative."

Dr. Kabel suggests students be made more aware of the attractions of an academic career. He notes that Penn State's engineering programs focus more on applied practice than theory. Therefore more students here pursue jobs in industry.

"It's a matter of perspectives we've instilled in our students," he observes.

"We need to encourage our undergraduates toward graduate study and our graduate students into teaching careers. In the long run this is the best way for Penn State to enhance its academic image."

"We're working on it in Chemical Engineering," he says. "A person really should keep the teaching option open."

James Smith

Dr. James F. Smith Jr. says he knew he enjoyed teaching the first day he walked into a classroom at the Weston High School, Weston, Mass., in 1967.

"My mentor said I was a born showman," he says. "I don't think I'd be happy doing anything else for very long. I've always considered myself more of a teacher than a scholar."

During his teaching at the high school, people advised him not to go on to teaching in college because they said college professors are "stodgy and conservative." "I didn't heed the advice," he admits.

"The most rewarding aspect of teaching is being able to sit back and talk with the students who occasionally come back and have them remember me and the courses I taught. These moments are my biggest satisfaction in teaching."

Dr. Smith, who teaches English and

American studies at Ogontz Campus, received his A.B. degree in English from Boston College and his M.A. and Ph.D. in English from Penn State. He joined the faculty in 1971.

He teaches basic freshman composition and English courses as well as a course on American popular culture, which he helped develop, an American studies survey course and several American literature courses.

"I have a split personality because of teaching basic freshman courses and elective American studies courses," he says. "On the one hand, I have a captive audience for the basic courses, and on the other hand, I have a more willing audience for the electives. I approach both classes similarly."

"In my English courses, I teach survival in college because writing is an essential skill. In American studies, I expose students to a broad view of civilization

and let them develop their own perspectives."

He makes extensive use of audiovisuals and artifacts to illustrate his lectures. For the popular culture course, he conducts field trips.

He says he is a product of the kind of teaching he had as a student. "In the courses, I'm relaxed, but directed. In my approach, I'm friendly, yet authoritative without being pedantic. I don't indoctrinate. I try to get the students to look at themselves and the civilization around them."

He had the satisfaction in 1975 of bringing American studies courses to Ogontz. He also had the freedom to develop some courses.

In 1976, he received the Ogontz Campus Outstanding Teaching Award and Outstanding Advising Award. He was a University Faculty Senator from 1975-82 and served on several Ogontz Faculty

Senate committees from 1979-82.

He is engaged in research on American cultural history and is interested in popular culture. He's looked at the media, popular literature and popular places of recreation and entertainment such as Las Vegas and Disney World.

Faculty invited to Convocation

All faculty are invited to participate in the Honors Convocation as members of the academic procession. Faculty in the academic regalia should report to the Green Room of Eisenhower Auditorium by 1:30 p.m. Seating in the front rows of the auditorium will be reserved for those in the procession. After the recession, faculty are invited to visit with students in the college award distribution area. Faculty and staff not wishing to be members of the procession are invited to attend the program in the audience.

Three to visit University Park as Alumni Fellows

Three prominent alumni will visit the University Park Campus as Alumni Fellows in May to share their ideas and professional experience with students and faculty members.

They are: J. Lloyd Huck, president and chief operations officer of Merck and Co., Inc., Rahway, N.J.; William Schreyer, president and chief operating officer, Merrill Lynch and Co., Inc., New York; and Frederic W. Hill, professor of nutrition, University of California, Davis.

The Alumni Fellows program, sponsored by the Penn State Alumni Association, is designed to promote closer ties between prominent alumni and the University community.

Mr. Huck, a 1946 graduate in chemistry from the College of Science, will visit the College Tuesday, May 10, through

Thursday, May 12. This is the second time he has been chosen as an Alumni Fellow. His first award was in 1980, in the College of Medicine in Hershey.

At Merck and Co., Inc., he is responsible for all of Merck's operations around the world, both in its human and animal health products business and its environmental health departments. He joined the company's Merck Sharp and Dohm Division in 1958 as director of marketing and moved through successive promotions to become president of that division in 1973.

He was elected a senior vice president of Merck and Co., Inc. in March, 1975 and an executive vice president in January, 1977. He was promoted to his present post in 1978.

A Penn State trustee and past president

of the Penn State Alumni Association, Mr. Huck is a former director of the American Marketing Association, Pennsylvanians for Effective Government and former trustee of the American Management Association.

Mr. Schreyer, who received a bachelor's degree in business administration from the College of Business Administration in 1948, will visit the College Wednesday, May 11, through Friday, May 13.

Mr. Schreyer has spent his entire business career at Merrill Lynch, a worldwide financial services company. His more than 30 years at the company started in 1948 and have spanned many areas, including retail sales, government securities and trading and investment banking.

In addition to his duties as president and chief operating officer, a post he

assumed in 1978, he also serves as chairman and president of Merrill Lynch, Pierce, Fenner and Smith, Inc., its principal subsidiary.

Mr. Schreyer currently is vice chairman of the Securities Industry Association, a member of the Conference Board and vice chairman of the Sigma Phi Epsilon Educational Foundation. He also is a trustee of the medical center at Princeton. A Williamsport native, he has served on the Penn State Alumni Council Executive Board.

Dr. Hill will be on campus Sunday, May 15, through Wednesday, May 18, at the College of Agriculture. He received two degrees from Penn State: a bachelor's degree in poultry science in 1939 and a master's degree in nutrition in 1940.

A native of Erie, with a Ph.D. in animal nutrition from Cornell University, Dr. Hill has served in key positions on the nutrition and poultry science faculties at Cornell University (1948 to 1959) and University of California (1959 to present). At Cornell, he was a pioneer in the development of methods for evaluating energy-producing qualities of poultry feeds.

At California, he served as professor and chairman of poultry husbandry at the Davis and Berkeley campuses for six years, focusing on research related to the efficient production of poultry. He later was named chairman of the Department of Nutrition for an eight-year period. Following that, he served as associate dean for research and international programs at Davis campus for five years.

Dr. Hill also has served as editor of one of the leading scientific journals in the nutrition field, on national nutrition boards and as a liaison with government agencies in international development.



J. Lloyd Huck



William Schreyer



Frederic W. Hill

Centre Furnace Renaissance '83 is underway

A link between the University's past and its future will be provided with the restoration of the Centre Furnace Mansion by the Centre County Historical Society.

Centre Furnace Renaissance '83, a fund-raising campaign to restore the mansion, located off the Benner Pike adjacent to campus property, currently is underway in Centre County.

A group of individuals within the University have volunteered to attempt to raise \$50,000 over a three-year period toward the \$300,000 target goal.

Dr. Richard E. Grubb, chairman of the campaign's University Division, said most of the money raised by the division will be used for direct restoration of the first-floor Founders' Room to commemorate the role of Centre Furnace in bringing the Farmers' High School to Centre County.

Two Centre Furnace ironmasters, Gen. James Irvin, a candidate for Governor in 1847, and his brother-in-law, Moses

Thompson, offered land and hospitality to the Pennsylvania Agricultural Society in order to locate a Farmers' High School here.

Their gift of 200 acres of Centre Furnace lands adjacent to the ironmaster's mansion set the stage for the school's location in Centre County rather than in one of the six other counties that were bidding for it.

Plans call for the Founders' Room to be revived in the decor of 1855. The correspondence and mementos of the early political and industrial leaders who made Penn State possible will be displayed.

Dr. Grubb said there will be no university-wide solicitation. Only interested individuals will be contacted.

Vice chairmen of the University Division are Merle E. Campbell, Arthur V. Cervo, Dr. John A. Hargleroad, Dr. Philip S. Klein and Leon J. Stout.

Assisting in the Division's efforts are: Mr. David L. Baker, Dr. Paul W. Bixby, Dr. A. K. Blackadar, Mr. William D. Boyd, Dr. Walter G. Braun, Dr. A. Madison Brewer, Mr. Richard M. Bunnell, Dr. Glenn G. Carter, Mr. Yar G. Chomicki, Mr. Richard L. Crowley, Dr. Gerald G. Eggert, Mr. A. William Engel, Dr. Edward

R. Fagan.

Dr. Donald H. Ford, Mr. Ray T. Fortunato, Miss M. Judy Garner, Mr. Edward A. Gornati, Dr. Leslie P. Greenhill, Mrs. Charlene H. Harrison, Mr. M.D. Holderman, Mr. Irvin H. Koehl, Mr. George L. Lane, Dr. Russell E.

Calendar Grievance Committee named

Seven members have been appointed to the Calendar Transition Grievance Committee by James B. Bartoo, chairman of the Calendar Conversion Council, and Joseph A. Dixon, University Faculty Senate chairman.

John J. Cahir, associate dean for resident instruction in the College of Earth and Mineral Sciences, will serve as committee chairman.

Faculty and staff members are Martha A. Adams, assistant dean for resident instruction in the College of Health, Physical Education and Recreation; Sheldon R. Gelman, professor of social welfare, and Jane E. McCormick, assistant to the vice president for student affairs.

Student members are Andrew D. Berger, member of the Organization for Town Independent Students; Jodi C. Bingham, graduate student

representative, and David P. Labuskes, president of the Association of Residence Hall Students.

Alternate members of the committee are Richard L. McCarl, professor of biochemistry; Paul R. Shellenberger, professor of dairy science; Cheryl Taylor, undergraduate student; Daniel Walden, professor of American studies, and Kim Zaugg, graduate student.

The committee will function as a fact-finding group when a student believes that the calendar change is impeding normal academic progress. Basically, the committee will offer its good offices as a mechanism for appeal in such cases.

The Calendar Transition Grievance Committee is a committee of the Calendar Conversion Council. Its responsibility will continue through September, 1984.

Craft Centre Sale

If looking for a handmade gift to touch

your mom's heart, visit the Craft Sale to be held from 10 a.m. to 4 p.m. May 5 and 6 at Fisher Plaza outside Kern Building.

The HUB Craft Centre instructors have made a wide variety of handmade articles from which to choose. They include wheelthrown and handbuilt pottery, weaving, watercolors, stained glass, silkscreen, calligraphy, wheat weaving, batik and twine baskets.

In case of inclement weather, the sale will be held in Kern Building. For more information contact the HUB Craft Centre at 863-0611 or stop by 312 HUB.



Researcher cites educational training

Pennsylvania must make educational training and retraining for a highly skilled labor force a top priority and do everything it can to promote small business enterprises to improve its economic future, according to a University researcher.

"We cannot advocate high-tech development without adequately funding higher education and worker training," said Gordon F. De Jong, professor of sociology and director of the Population Issues Research Center.

One way to enhance Pennsylvania's economic future is with job creation and worker training programs that emphasize the state's expanding labor force in

business and professional service, financial and transportation sectors. Dr. De Jong told Gov. Dick Thornburgh, state senators and representatives, economists and business leaders.

He talked about "Demographic Forces Reshaping Pennsylvania's Economy in the 1980s" at a recent Conference on Pennsylvania's Economic Future held in Harrisburg.

Rodney A. Erickson, director of the Pennsylvania Economic Analysis Program, Center for Research, College for Research, College of Business Administration, spoke on "Pennsylvania's Economy: Strengths and Weaknesses," and football coach Joe Paterno gave the luncheon address.

Appointments

Dr. Barbara Copland Wood, area representative for the King of Prussia Center for Graduate Studies and Continuing Education, has been named coordinator at the University's Returning Adult Student Center.

"Dr. Wood has worked extensively with adult students and is very much aware of their special needs," Dr. Richard E. Grubb, senior vice president for administration said. "Much of her professional experience has been in the areas of adult education and career planning. We're excited about the Center and eager to have it in full operation."

Establishment of the Returning Adult Student Center was authorized last fall by President Oswald. The Center will coordinate existing services for returning students and offer advice, counseling, information on University policies and other forms of support.

At King of Prussia, Dr. Wood has been responsible for graduate programs and continuing education non-credit courses. She holds a bachelor's degree in English from Western Michigan University; a master's degree in guidance and counseling from the University of Missouri and a doctorate in higher education, specializing in adult education, from Penn State.

A former junior high and high school teacher and counselor, she was an instructor in secondary education at the University of Nebraska and proctor of that university's pre-student teaching program.

She taught in adult education programs in Nebraska and the State College Area School District in Pennsylvania. She also has held internships in continuing education with both Penn State and the State College Area School District. In 1980, she was a contributor to the "Pennsylvania Adult Basic Education Handbook."

Dr. Wood is a member of several professional organizations, many of them in the field of adult education. She also is a member of Phi Delta Kappa and Pi Lambda Theta honorary societies.

The Center will serve all returning students—both men and women, and continuing education and non-degree students as well as degree candidates. It

will be located in the Donovan Room of the Hetzel Union Building on campus. Its facilities will include a lounge, conference room and office space. The Center will share its location with Penn State's Women's Studies Program.

Dr. Horace A. Divine, associate professor and director of Washington State University's Seattle Center for Hotel and Restaurant Administration, has been named head of the Hotel, Restaurant and Institutional Management (HRIM) program in the College of Human Development. His appointment takes effect in June.

A 1960 graduate of Michigan State University in hotel and restaurant administration, Dr. Divine received a master's degree and the Ph.D. in higher education at the University of Washington in Seattle. Prior to joining the faculty at Washington State in 1978, he was chairman of the business management program at Bellevue Community College, Bellevue, Washington, for 10 years.

He also has operated food service management and design consulting firms in Los Angeles and Seattle. For six years, he was director of food services at UCLA. He's also been involved with country club management.

Dr. Divine is active as a conference speaker on topics relating to food service management and hospitality. He is a member of the National Restaurant Association, the American Hotel and Motel Association, the Society of Wine Educators and the Council on Hotel, Restaurant and Institutional Education.

Formerly called Food Service and Housing Administration, the Hotel, Restaurant and Institutional Management program is the successor to a course of study in hotel administration first offered at the University in 1938.

Nancy Huber Miller has been appointed senior development officer in the Office of Gifts and Endowments. She has been assistant to the dean for public relations and broadcasting activities in the College of Arts and Architecture.

According to Joseph J. Mansfield, vice president for development, she will be responsible for planning and implementing a variety of development projects in the Colleges of Agriculture and Science.



Barbara Copland Wood



Nancy Huber Miller

Ms. Miller holds a bachelor's degree in arts and letters and a master's degree in speech with a minor in theatre, both from Penn State. With the College of Arts and Architecture, she was coordinator of Festival Company 2, an organization designed to support the activities of the College's University Resident Theater Company. She also worked closely with the Friends of the Museum of Art, a group dedicated to furthering the interests of the Museum.

Ms. Miller also has worked as a producer/director for radio and television in the College of Agriculture. For 12 years she was with the Department of Public Information and Relations, first as a broadcast specialist and later as a radio/TV producer and writer.

Ms. Miller has been active in commercial broadcast projects as well and been involved with University and community theater activities, both on-stage and off.

She resides at R.D. 1 Bellefonte, with her husband William and son Martin.

John Grant has been named assistant director of telecommunications for programming and production. In his new position, Mr. Grant will be responsible for public station WPSX-TV (channel 3) and the educational cable network PENNARAMA.

Mr. Grant joined the University staff in 1974 to work in Penn State Radio. He also has served as executive producer for local,

state, and national productions of WPSX-TV, including the weekly public affairs series *The State of the Weather: The Shape of the World* and *TV Quarterbacks with the Paterno*. He is an affiliate professor of journalism and provides commentary for the Penn State Football Network and Penn State basketball.

Among the areas to be developed under Mr. Grant's leadership will be an expanded weather broadcast service and local sports productions, including several events to be broadcast live on WPSX-TV in the coming year.

Joyce A. Gannon, a 1979 University graduate, has joined the Department of Public Information and Relations as a writer/editor. She will be responsible for news releases and features from the colleges of Science, Earth and Mineral Sciences and Agriculture and the University's research institutes.

A Pittsburgh native, she earned her bachelor's degree from the School of Journalism in the news writing and reporting option. She is a former staff writer and arts editor for *The Daily Collegian*.

After graduation, Ms. Gannon was employed as press representative for the American State Festival in Milford, N.H. In 1980, she joined the staff of the *Wheeling News-Register*, Wheeling, W.V., where she was a general assignment reporter.

Faculty, staff-related costs rising

(Continued from page 1)

costs and retirement costs has caused considerable concern. The University has absorbed all of these costs and it may be necessary to seek some sharing of these costs in the future.

Below are two samples of how the costs to the University for some of the benefits have risen in the past four years.

A. Single employee with salary of \$16,000.

University Contributions	
1979-79	
Retirement (SERS)	13% of \$16,000 = \$2,080.00
Social Security	6.09% of \$16,000 = 974.40
H/S/MM	215.04
Dental	0
Visual	0
TOTAL	\$3,269.44
	(20.4% of salary)

1982-83	
Retirement (SERS)	17.85% of \$16,000 = \$2,856.00
Social Security	6.7% of \$16,000 = 1,072.00
H/S/MM	817.32
Dental	87.00
Visual	18.72
TOTAL	\$4,851.04
	(30.3% of salary)

NOTE: These University contributions are in addition to the basic \$16,000 salary and do not include costs for such benefits as unemployment compensation, worker's compensation, life insurance, educational privileges, holidays, vacation, paid time for illness, etc.

B. Faculty member with a family with a salary of \$36,000. One child attending Penn State.

University Contributions	
1979-79	
Retirement (SERS)	13% of \$36,000 = \$4,680.00
Social Security	6.09% of \$17,700 = 1,007.93
H/S/MM	468.72
Dental	0
Visual	0
Grant-in-Aid	75% of \$1,368 = 1,026.00
TOTAL	\$7,252.85
	(20.1% of salary)
1982-83	
Retirement (SERS)	17.85% of \$36,000 = 6,426.00
Social Security	6.7% of \$32,400 = 2,170.80
H/S/MM	1,622.16
Dental	230.88
Visual	48.84
Grant-in-Aid	75% of \$2,118 = 1,588.50
TOTAL	\$12,087.10
	(33.6% of salary)

NOTE: These University contributions are in addition to the basic salary of \$36,000 and do not include costs for such benefits as unemployment compensation, worker's compensation, life insurance, holidays, paid time for illness, etc.

The costs for hospital, surgical, and major medical coverage have soared in spite of efforts on the part of the University to manage that program as cost effectively as possible. The program is self-insured. Thus, University funds are spent only on actual claims plus a fee to have Prudential process the claims. No additional monies are paid to any insurance company for that coverage.

In effect, faculty and staff members have received substantial increases in the value of the benefits in addition to their salary increases.

Patterson receives Wilkinson award

(Continued from page 2)

as vice president for finance and treasurer. In 1971 he was named senior vice president for finance and operations and treasurer.

In that role, his nominators noted, "He played a major role in helping the University achieve its financial objectives which, in turn supported the academic enterprise." His nomination citation notes that he "has done a superb job of managing the University's investments" and "has always been responsive to emerging needs within the academic community."

Before joining the University, Mr.

Patterson was secretary and treasurer of the Long Island Railroad Company for six years. He served the railroad for 13 years prior to that as director of research and assistant to the president.

During that period, he was also associate professor of finance in the Graduate School of Business of New York University. He also taught courses in transportation economics at Hofstra University.

Mr. Patterson was assistant treasurer and statistician-analyst at Eastern Airlines, with responsibility for financial, operating and traffic analysis, stockholder relations

and tax accounting, before joining the railroad.

His earlier experience was also in the transportation field, with the Pennsylvania Railroad Company and Rea Express, Inc., where he served in various sales, operating and traffic positions. During World War II, he served with the Naval Air Forces.

He holds a bachelor's degree from Grove City College and master of business administration degree from New York University. In 1980, he was awarded an honorary doctorate by Grove City College. He is also a trustee there. Mr. Patterson is a member of the Centre County Higher Education Authority and a director of Mid-State Bank.

Air Service Reminder

The University has established an air service between University Park and Washington, D.C. (at Dulles International Airport). This is an experimental project through June 30 to determine if demand is sufficient for continuance on a permanent basis. Flights are available three times per week on Monday, Wednesday and Friday. Details are available in the offices of deans and administrative offices.

Jablonsky is appointed Kellogg Foundation Fellow

Dr. Stephen F. Jablonsky, associate professor of accounting, is one of 47 outstanding young American professionals chosen for Class IV of the W.K. Kellogg Foundation National Fellowship Program.

The Fellowship Program, initiated in 1980, is aimed at helping the nation expand its vital pool of capable leaders. The program is structured to increase individuals' skills and insights into areas outside their chosen disciplines so they can deal more creatively and effectively with society's complex problems.

Dr. Jablonsky, who has taught in the area of accounting and management information systems since joining the University faculty in 1975, is developing a program of management education, research, and service to complement the use of microcomputers in society.

Dr. Jablonsky, 38, earned his bachelor's, master's, and doctor's degrees in accounting at the University of Illinois, Urbana-Champaign.

He has worked as an assistant director of institutional studies, director of short range planning and control, and director of financial data systems implementation at the University of Illinois, Urbana.

Published in his field, he is a member of committees within the American Accounting Association and holds memberships in the National Association of Accountants, the American Institute of Decision Sciences, and the Academy of Management. He has received awards as an outstanding teacher and for developing innovative continuing education courses in financial management for arts organizations.

Each Kellogg National Fellow receives a three-year grant of up to \$35,000 to pursue a professionally broadening self-designed plan of study. Participation in Foundation-designed seminars that focus on issues facing leaders in domestic and international settings also is required.

The Kellogg Foundation has made

grants totaling more than \$643 million since its beginning in 1930 to support projects that are focused on the application of existing knowledge to the problems of people. The Foundation's three fields of interest are agriculture, education, and health.

The majority of the 1983 candidates were drawn from higher education institutions across the country. Fellows were selected on the basis of recommendations from their institutions' or agency's chief executive officer, and their own credentials, skills, interests, and demonstrated leadership potential.

Group IV will examine national priorities relating to natural resources, technology and growth, world populations and food supply, health care, quality of life, and international interdependence during the six program seminars sponsored by the Foundation over the three-year period.



Stephen F. Jablonsky

College honors five faculty members, two alumni

Five faculty members and two alumni have been honored by the College of the Liberal Arts and its Alumni Society for outstanding scholarship and service to students and society.

They are: Larry D. Spence, associate professor of political science; Jackson J. Spielvogel, assistant professor of history; Edward C. Budd, professor of economics; Frederick R. Matson, professor emeritus of archaeology; Alan Edgar Knight, associate professor of French; Leslie Lewis Montz, retired Ogontz Campus staff member, and Ross B. Lehman, retired executive director of the Penn State Alumni Association.

The awards, sponsored by the Liberal Arts Alumni Society, were presented in conjunction with the annual Liberal Arts Career Planning Day '83.

Dr. Spence, recipient of the Outstanding Adviser Award, was chosen by his students, Dean Stanley Paulson said. He is an honors adviser in the University Scholars Program for the Department of Political Science and works with a large group of students. He provides them with individual attention, setting high standards and motivating them.

A former newspaper reporter, he is a specialist in political theory and behavior and public administration who joined the faculty in 1970.

Dr. Spielvogel, who received the Distinguished Teaching Award, joined the faculty in 1967. His students say he "delivers dynamic, informative, accurate and thought-provoking lectures."

He is the "best prepared, best performing, most concerned and most human teacher," and he is "warm, trusting and caring." He uses slides, films, music, small-group discussions and outside speakers to stimulate his students.

Dr. Budd, who received the Award for Distinction in the Social Sciences, has been at the University since 1971. He has been a key participant in the Department of Economics, teaching economic theory to virtually all the Ph.D. students in his own department and the Department of Agricultural Economics.

He has been involved in his department's honors program as well. His research into distribution of income has been funded by the U.S. Department of Commerce. He has earned an international reputation in his field and

has represented the United States at the United Nations in revising international income studies.

Dr. Matson, recipient of the Emeritus Distinction Award, has continued his research since retiring from the University after 30 years. He has had successful careers in government, industry and academics in the fields of Middle East archaeology and ceramic technology.

He was the moving force behind the creation of the Anthropology Museum and has contributed much of his own collection to it. Since his retirement, he has traveled extensively throughout the world and will leave soon for an archaeological trip to China.

Dr. Knight was awarded the Class of 1933 Award for Outstanding Contribution to the Humanities for his exceptional achievement in late medieval French drama. His book, *Aspects of Genre in Late Medieval French Drama*, received the best manuscript submitted by scholars of French literature during 1983.

He has published widely since joining the faculty in 1964. Recently, he served as associate editor of *Treizeux*, a new journal

specializing in late medieval theatre. He was a visiting professor of French at Emory University in 1982.

Mrs. Montz, a 1941 Penn State graduate in journalism and advertising, received the Alumni Society's Service to Society Award, presented annually to an outstanding alumnus of the College for service to the community in social, educational and civic areas.

While a student, she worked in the advertising department of *The Daily Collegian*. In the 1940s, she worked as an advertising copy writer for Hollywood and New York ad agencies and radio.

From 1959-79, she worked at the Ogontz Campus as its public information officer and as coordinator of the Penn State Center for Continuing Liberal Education. She has served on the executive board of the Alumni Council for six years and chaired for several years the Constituent Society Committee of the Council.

This year, the Alumni Society gave special recognition to Mr. Lehman for distinguished service to Penn State alumni from 1948-83.

Coleman, Scholten receive teaching awards

Dr. Michael M. Coleman, professor of polymer science and chairman of the Polymer Science Program, and Dr. Robert Scholten, professor of geology and chairman of the Geology Graduate Program, have received the 1983 Matthew J. and Anne C. Wilson Outstanding Teaching Awards of the College of Earth and Mineral Sciences.

The awards, now in their 15th year, are made possible by the Matthew J. and Anne C. Wilson Trust Fund established by the will of the late Mr. Wilson. Mr. Wilson, who died in 1963, was a 1918 Penn State mining engineering graduate.

The awards each consist of \$1,000 and a plaque.

A native of England, Dr. Coleman emigrated with his parents at age 16 to Northern Rhodesia (Zambia). There he was employed as a chemical assayer for a copper mine for seven years and then returned to England where he worked as an analytical chemist for two years before enrolling in the Borough Polytechnic of London. There he received his B.Sc. and then moved to the U.S. and earned his M.S. and Ph.D. in macromolecular science at Case Western Reserve University.

He spent two years with Du Pont as a

research chemist before joining the Penn State faculty in 1975. His research interests include vibrational spectroscopy, polymer characterization, polymer physical chemistry, and degradation of polymers. He is the author of a book, *The Theory of Vibrational Spectroscopy and Its Application to Polymer Materials*.

Dr. Scholten was born in The Netherlands and is a graduate of the University of Amsterdam. He received his M.S. and Ph.D. at the University of Michigan, and joined the Penn State faculty in 1951.

He served as a Fulbright Professor at the University of Istanbul in 1958-59; was a Guggenheim Fellow and Fulbright Research Scholar to the University of Milan in 1965-66; and spent several months as a visiting professor at the University of Amsterdam in 1977. He served as chairman of the Department of Geosciences' Geology Graduate Program in 1974-77 and resumed this position in 1982.

His research interests lie in the areas of gravity tectonics, the mechanics and dynamics of thrust of faulting and the stratigraphic-tectonic evolution of the northern Rocky Mountains; and the origin, migration, and occurrence of oil and gas. He will spend a sabbatical in 1983-84 as an associate at the National Center for Scientific Research laboratory at the University of Marseille, doing field research in Morocco and Pyrenees.

News in Brief

Heating turnoff dates

The Executive Energy Conservation Committee has established the following approximate dates as spring transitional dates for University Park building air conditioning and heating systems. Minor adjustments of these dates may occur if the short range weather forecasts indicate the need.

Residence halls — heat off approximately Monday, May 23; Ritenour — heat off Monday, May 23; academic and administrative buildings — heat off approximately Monday, May 2; comfort air chillers on approximately Monday, June 6; research areas — chillers on approximately Monday, May 16, depending on need.

Gamma Sigma Delta lecture
Samuel B. Harvey, Jr., national authority on computer information systems, will give the third annual lecture of Gamma Sigma Delta, Honor Society of Agriculture, at 3:30 p.m. May 6 in Room 112 Kern Bldg. He will discuss "Future Use of Computers and Electronic Communications in the World of Tomorrow."

Mr. Harvey is president of RHS and Associates of Haddonfield, N.J., a leading firm for consulting and education in using information systems. The company's principal areas of consulting include futuristic computer planning and information systems technology and disciplines of distributed data processing.



Michael M. Coleman



Robert Scholten

University Park Calendar

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

May 5 - 19 Special Events

Thursday, May 5

Mother's Day Craft Sale, 10 a.m.-4 p.m., Fisher Plaza. Also May 6.

Sports: men's tennis vs. East Stroudsburg, 1 p.m.

Robert Wussler of (Turner) Cable News Network in Atlanta will participate in a telephone conference, 3:30 p.m., 124 Sparks. HUB Eateries, Founder's Room, Special Dinner, 5:7 p.m.

Schilling Seminar meeting, 6 p.m., Gilpin Room. Nittany Lion Inn, Michael Svoboda on "Discourse on Science and Religion." Kern Classics, *Music Lovers*, 7 and 9 p.m., 112 Kern.

School of Visual Arts Public Lecture, 7:30 p.m., 102 Chambers. Roland Reess, sculptor.

Friday, May 6

Last day for signing Spring Term NDNL and University Long Term Loans, 108 Shields. Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. Simon Bronner, folklore and American studies, Capitol Campus, on "The Ambiguous House in Suburbia." Theatre and Film, *The Man Who Fell To Earth*, 7 and 9 p.m., 112 Kern. Also May 9.

Concert Choir, 8:30 p.m., Music Bldg. recital hall.

Saturday, May 7

Sports: Blue-White football game, 2 p.m. France-Cinema, Wertmuller, *Love and Anarchy*, 7 and 9 p.m., 112 Kern. Also May 9. Seven Glaser, piano recital, 8:30 p.m., Music Bldg. recital hall.

Robert J. O'Brien, Bell Laboratories, on "The Role of Writing in the Corporation," 3:30 p.m., 320 Willard.

Nittany Lion Band Concert, 5:30 p.m., Fisher Plaza.

URTC, *A Quiet Country People*, 8 p.m., Pavilion Theatre. Also May 12, 13, 14. Wind Ensemble concert, 8:30 p.m., Music Bldg. recital hall.

Thursday, May 12

Third Brazilian Film Fest, *The Third Millennium*, noon, 112 Kern. HUB Eateries, Founder's Room, Special Dinner, 5:7 p.m.

Kern Classics, *A Fatale to Arms*, 7 and 9 p.m., 112 Kern.

Statesman Stage Band concert, 8:30 p.m., Hetzel Union Bldg.

Friday, May 13

Geography Dept. Coffee Hour, 3:40 p.m., 319 Walker. Paul Simkins, geography, on "What the Last Census Told Us: Population Shifts in the Boroughs and Townships of Pennsylvania."

Sports: men's track and field, Penn State Open, 3 p.m.

Saturday, May 14

Sports: baseball vs. Cornell, 2:30 p.m.; men and women's golf, Joe Boyle Retirement Tournament.

Quartetto da Camera concert, 3:30 p.m., Music Bldg. recital hall.

France-Cinema, Molinaro, *La Cage aux folles*, 7 and 9 p.m., 112 Kern. Also May 16.

Sunday, May 15

HUB Eateries, Founder's Room, Special Dinner, 10:30 a.m.-1:30 p.m.

Sports: baseball vs. Cornell (DH), 12:30 p.m. Anita Bealer, organ recital, 8:30 p.m., Music Bldg. recital hall.



Malvolio in Shakespeare's 'Twelfth Night'

Spadafora on "Incorporating Host Resistance and Fungicide Characteristics into Potato Late Blight Management."

Tuesday, May 10

Environmental Pollution Control, 2:20 p.m., 124 Sackett. R.W. Regan, civil engineering, on "Assessing the Needs of Pa. Industry for Improved Hazardous Waste Management."

Wednesday, May 11

Adult Education, noon, 101 Kern. Marlowe Froke on "Media and Adult Education."

Thursday, May 12

Ceramic Science, 11 a.m., 301 Steidle. Robert N. McNally and Pronob 8ARDHAN, Corning Research Center, on "Crystallization of Fused Materials."

Chemistry, 12:45 p.m., SS Osmond. Myron

Rosenblum, Brandeis Univ., on "Transformations of Organization Complexes of Synthetic and Chemical Interest."

Aesthetics, Criticism and Interpretation Theory Group, 3:45 p.m., 221 Chambers. William Hanson, School of Visual Arts.

Physics, 3:55 p.m., SS Osmond. J.L. Rosner, Univ. of Minnesota, on "Status of Unified Theories of the Weak, Electromagnetic, and Strong Interactions."

Ecology, 4 p.m., 8 Mueller. Kenneth P. Sebans, Harvard Univ., on "Benthic Marine Ecology in New England: Species Co-Existence on Homogeneous Substrata."

Acoustics, 4 p.m., Seminar Conference Room, Garfield Thomas Water Tunnel. Jim Prout, engineering research, on "Restoration of a Temporary Anechoic Chamber."

Friday, May 13

Analytical Chemistry, 10 a.m., SS Osmond.

Charles Koch on "Characterization of Air-Oxidized Coal by GC-MS."

Ecology, 4 p.m., 111 Henning. Gary Krauss on "Comparative Survival of Game Farm and Wild Pheasants."

Learning and Telecommunications, 4 p.m., 8 Mitchell. Ann Shields and staff of What's In The News will show and discuss this instructional television series.

Monday, May 16

Entomology, 3:50 p.m., 215 Armsby. Maryann Tomasko on "Lipid Analysis of Honey Bee Larval Food."

Plant Pathology, 3:55 p.m., 213 Buckhout. Frances Lettwell, USDA Plant Disease Research Lab, on "The Increasing Importance of Gray Leafspot and Diplodia Stalk Rot on Corn in the Eastern United States."

Exhibits

Chambers Gallery

Gallery Hours: Monday through Friday, 9 a.m.-5 p.m.; Saturday and Sunday, 1-5 p.m. School of Visual Arts Undergraduate Program Show.

HUB Gallery

Department of Architecture Exhibit, through May 16.

Kern Gallery

PSU Ukrainian Club, through May 6.

Scott Smith, prints.

Carolyn Metcalf, drawings.

Rosanna Dobash, Yvonne Gentzler, stitchery, opens May 9.

Museum of Art

Museum Hours: 11 a.m.-4:30 p.m. Closed

Mondays. Tours, Sundays, 1:30 p.m.

Indian Art from the Collections of the Herbert

F. Johnson Museum of Art, Cornell

University and Penn State's Museum of Art.

Richard Mayhew, recent paintings.

Gunnar Norman, recent drawings and

graphics, opens May 8.

Pattée Library

Lending Services Lobby: Laura Keith, photos,

through May 16.

East Corridor Gallery: Francesco Santinelli,

paintings, through May 15; Gustav Mahler

Exhibition, prints from the Austrian

Institute, opens May 16.

Black Studies Room: Anthony Brown,

passionist drawings and paintings.

Zoller Gallery

Gallery Hours: Monday through Friday, 9

a.m.-5 p.m.; Saturday and Sunday, 1-5 p.m.

School of Visual Arts Undergraduate Program

Show.



Francine du Plessix Gray

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William E. Campbell, Jr., Editor

Deborah A. Benedetti, Assistant Editor

Calendar Editor - 865-2501



'XICA', a Brazilian film

Sunday, May 8

HUB Eateries, Founder's Room, Brunch, 10:30 a.m.-1:30 p.m.

Honors Convocation, 2 p.m., Eisenhower

Auditorium.

Glee Club Mother's Day Concert, 3 p.m.,

Schwab Auditorium.

Monday, May 9

First day for signing Summer Term NDNL and

University Long Term Loans, 108 Shields.

Camp. 1st Luncheon, 12:15 p.m., 101 Kern.

Konrad Schoell, Univ. of Kassel.

English Colloquium, 8 p.m., 101 Kern. Francine

du Plessix Gray on "A Writer and Her

Crafts: A Reading in Fiction, Nonfiction and

Literary Criticism."

School of Music, Paula Hepfer, 8:30 p.m.,

Music Bldg. recital hall.

Tuesday, May 10

GSA Assembly meeting, 7:15 p.m., 101 Kern.

Third Brazilian Film Fest, documentary films,

noon, 112 Kern; *Nordsee*, 8 p.m., Eisenhower

Auditorium.

University Relations, performance of P.C.

Wodehouse's short story, "Monkey

Business," 9 p.m., HUB Assembly Room.

Also May 11.

Wednesday, May 11

Kern Concert, Allegheny String Band, noon,

Fisher Plaza.

Sports: baseball vs. Pittsburgh (DH), 1 p.m.

Third Brazilian Film Fest, colloquium, 2:30

p.m., 112 Kern; *Nordsee*, 8 p.m., Behn, 9:10

p.m., Eisenhower Auditorium.

Monday, May 16

White Band Concert, 5:30 p.m., Fisher Plaza

Composers Concert, 8:30 p.m., Music Bldg.

recital hall.

Tuesday, May 17

Spring term classes end.

Wednesday, May 18

Last day for signing Spring Term Short-Term

Loans, 108 Shields.

Graduate Council meeting, 3 p.m., 101 Kern.

Seminars

Thursday, May 5

Ceramic Science, 11 a.m., 301 Steidle. Raymond

Bratton, Westinghouse R&D Center, on

"Thermal Coating Technology."

Chemistry, 12:45 p.m., SS Osmond. Geraldine

A. Kenney-Wallace, Univ. of Toronto, on

"Picosecond Laser Spectroscopy and

Molecular Dynamics."

Philosophy, 4 p.m., 203 Willard. Roberta

Kevelson, philosophy, Berks, on "Peirce's

Time as Method."

Friday, May 6

Analytical Chemistry, 10 a.m., SS Osmond.

Judith Ti Hwa on "Electroanalytical

Chemistry of Potroporphyrin IX."

Monday, May 9

Entomology, 3:50 p.m., 215 Armsby. Harley G.

Raney, Univ. of Kentucky, on "Coordinators

Change in Developing IPM Programs."

Plant Pathology, 3:55 p.m., 213 Buckhout. Jim

Focus on the arts

Photography lecture

Dr. Petr Tausk of Charles University, Prague, will present an illustrated lecture entitled "Aesthetics and Style in Photography" at 8 p.m. Thursday, May 5, in Room 101 Kern Building on the University Park Campus.

Dr. Tausk is one of Czechoslovakia's most distinguished photohistorians. He has made photographic aesthetics his special field of study, and has published several books on the subject which have been translated into other languages. He is in the United States visiting museums and photographic collections.

Dr. Tausk's lecture, part of the 1983 History of Photography Events, is sponsored by the Department of Art History and the Institute for the Arts and Humanistic Studies.

Acting Company featured

The Artists Series will present The Acting Company in Shakespeare's *Twelfth Night* at 8:30 p.m. Friday, May 6, in Eisenhower Auditorium.

This performance replaces the Polish Mime Theatre originally scheduled for April 23. Theatre Dance Series subscribers should use their tickets to the Polish Mime Theatre for this performance. Any remaining tickets will be on sale at Eisenhower Auditorium weekdays, 9 a.m. to 4 p.m.

John Houseman's Acting Company may be remembered from their first residency at Penn State in 1973. Performing then were a number of young actors who since have emerged as some of the most brilliant and versatile young stars on the American stage: Kevin Kline, who appeared in the Broadway and film productions of *The Pirates of Penzance* and in the film *Sybil's Choice*; Patti LuPone, who won a Tony Award for her performance in the musical *Enola*; and David Ogden Stiers, who played Major Winchester in the television series *M*A*S*H*.

John Houseman and Margot Harley founded The Acting Company in 1972 as a multi-regional repertory company dedicated to the development of American actors. Since its inception the company has performed a repertory of 45 plays in 210 cities in 41 states. In 1980, it was officially named "the touring arm of the John F. Kennedy Center."

Twelfth Night was first presented at a feast of Candlemas day (February 2), 1602. A high comedy of romance and mistaken identity, it is perhaps Shakespeare's finest achievement in sheer comedy. The play deals with Orsino, Duke of Illyria, who is deeply in love with the Countess Olivia. However, Olivia will not hear his suit. Orsino then sends his page Cesario, actually the disguised Viola, to plead his cause and Olivia falls in love with Cesario/Viola. Olivia's household includes an uncle Sir Toby Belch, his friend Sir Andrew Aguecheek, a wealthy but preposterous knight who ludicrously hopes to win Olivia's hand, and Malvolio, her steward. Sebastian, Viola's twin brother, whom she thought was drowned in a shipwreck, arrives in Illyria. Hilarious circumstances ensue before all true identities are unravelled and the play concludes happily.

The Acting Company's *Twelfth Night* is directed by British director Michael Langham. He has directed at Stratford-upon-Avon, the Old Vic and has been artistic director of the Guthrie Theatre in Minneapolis. Mr. Langham currently is director of the Theatre Center of the Julliard School.

Ogontz art exhibit

An exhibit of artwork by Linda Kelly-McDowell will mark the opening of the newly renovated Spring House at the Ogontz Campus. Her one-woman show, "Meditations on the Kimona," will be on display through May 11.

Ms. Kelly-McDowell, an Ogontz Campus alumna, received an associate



'Moksha', acrylic and fabric collage, at The Spring House Gallery, Ogontz Campus.

degree in therapeutic recreation in 1979. She has worked for several years as a drug-abuse counselor at HELP, and as a recreational therapist for the elderly and mentally retarded.

She currently is enrolled as a degree candidate at Ogontz and will be the first person to graduate from the campus with a bachelor's degree in art. "Meditations on the Kimona" is her senior thesis presentation.

The Spring House, the oldest building on campus and once a part of the Herring Estate, was recently renovated for use as retirement offices for President Oswald and as a gallery and social center for the campus. The Kelly-McDowell art show will be the first event held in the restored historic structure.

Several recitals set

The School of Music will present a number of recitals in the Music Building recital hall. All are free and open to the public.

Faculty pianist Steven Glasé assisted by Musica da Camera will be in recital at 8 p.m. Saturday, May 7.

The recital will include a performance of Mozart's *Piano Concerto no. 21* ("Elvira Madigan"). Mr. Glasé will perform the solo part and conduct the ensemble from the keyboard.

Mr. Glasé has performed with the Alard Quartet, both on campus and as part of the Candlelight Chamber Music Series in Columbia, MD. Last year he performed recitals at Penn State and at the Lincoln Center Library for the Performing Arts (New York). He was a soloist with the Penn State University Symphony and with orchestras on Long Island.

Mr. Glasé holds degrees from the University of Michigan and a master of music degree from The Julliard School. He came to the University from the faculties of C.W. Post College, Usdan Center for the Performing Arts, and the Julliard Pre-College Division.

Undergraduate music education major Barbara Arsenault will perform a recital of piano music during Common Hour at 1 p.m. Thursday, May 12.

Miss Arsenault, a student of Dr. Steven Smith, has been elected to membership in Mu Phi Epsilon (professional music fraternity). She has been awarded the Mary Brady Scholarship for piano, and placed first in the 1982 Pennsylvania Music Teacher's Association Festival (Concerto Competition).

Quartetto da Camera will be in chamber music recital at 3:30 p.m. Saturday, May 14. Members of the ensemble are Margaret Leclone Shuey and Todd Beyer, violins; Rebecca McKee, viola, and Jane Peatling, violoncello. Two string quartets (Mozart's "The Hunt," K. 458 and Beethoven's Op. 18 no. 5) will open the concert. Pianist Timothy Whyte will join the quartet for Robert Schumann's *Piano Quintet in Eb major*, op. 44.

Quartetto da Camera is a group of young professionals and private teachers from the State College area who have performed with each other in various organizations (Penn State University Symphony, Musica da Camera, Nittany

Valley Symphony, State College Choral Society, URTC and Festival Theatre productions). They have had extensive chamber music experience, including coaching from members of the Alard Quartet and violinist John Eaken.

Organist Anita Bealer will present her degree recital at 8:30 p.m. Sunday, May 15. Miss Bealer is a student of June Miller and a candidate for the bachelor of arts in music degree.

The program will include short works by Bach, Sweelinck and Messian, and Vivaldi's *Concerto in d minor*, transcribed by Bach, Max Reger's *Introduction and Passacaglia in d minor*, op. 56, Hindemith's *Sonata no. 3*, and Mendelssohn's *Sonata*, op. 65. The recital is free and open to the public.

Miss Bealer is a member of the State College Chapter of the American Guild of Organists and a fine arts staff announcer/programmer for radio station WDFM. She has been awarded scholarships from the School of Music's Chamber Music Fund and the Martha Conner Memorial Award (for Library Science).

Friends plan trip

The Friends of the Museum of Art are sponsoring a trip to the Soviet Union, June 18 to July 2. The tour, which emphasizes the art and architecture of that country, will visit Moscow, Kiev, and Leningrad.

There will be an excursion to the Archangel Palace complex outside of Moscow and an all day bus trip from Leningrad to Novgorod. An excursion to Pethoroff and an extensive visit to Leningrad's Hermitage Museum are also planned.

Lorraine Kapitanoff, a specialist in Russian culture in the Department of Slavic Languages, will act as the tour escort.

Information on the trip may be obtained either from John C. O'Connor, Friends tour chairman, 237-7041, or from Barbara Donley at the Museum of Art, 865-7672.

Bracken Lecture Series

Roberto Burle Marx, the fifth and final speaker of the Landscape Architecture Department's 1982-83 Bracken Lecture Series, will discuss "Plants and Man" at 8 p.m. Monday, May 9, in Room 26 Mineral Science Bldg.

Mr. Burle Marx, an internationally known landscape architect, also is a recognized painter, textile designer, horticulturalist and naturalist. All of his art forms are distinctly Latin in character, employing color and texture in an exuberant, swirling manner which reflects his native Brazilian context.

Many of his works have received recognition in exhibits throughout the United States and Europe.



'A Mewar Ruler Seated in a Tree Watching Elephants Below,' colors on paper, is a gift of the Friends of the Museum of Art to the Museum.

See page 9 for more arts news.

Focus on the arts continued

Spring concerts planned

The Penn State Glee Club's annual Mother's Day Concert at 3:30 p.m. Sunday, May 8, in Schwab Auditorium will be presented in honor of President and Mrs. Oswald.

The free, public concert sponsored by the School of Music, also will honor the 80th anniversary of the dedication of Schwab Auditorium, and the 95th anniversary year of the Glee Club itself. A twelve-piece brass ensemble will join the Glee Club to perform an original arrangement of the *Navy Hymn* by Brian Robinson, '86, and Walter Piston's *Carnival Song*. Joel Westa, assistant conductor and bass soloist, and tenor David Hudson, former assistant conductor, will appear as featured soloists.

Director Bruce Trinkle's arrangement of five Pennsylvania mining songs, and selections from his *Pennsylvania Bicentennial Wagon Train Show* will be included. Traditional Glee Club favorites, selections by the Hi-Lo's, and the closing *note of Penn State Songs* and the *Alma Mater* will complete the concert.

This is likely to be the last in the Mother's Day tradition from the Glee Club. When the University converts to a semester calendar there will be no classes at that time of year.

The School of Music will present "An Evening of Praise" by the combined University Concert and Chamber Choirs under the direction of Dean W. Bisgrove at 8:30 p.m. Friday, May 6, at Grace Lutheran Church, State College.

Mr. Bisgrove received his bachelor of music degree from Grove City College in 1981. He was listed in the 1981 issue of *Register of Outstanding College Seniors*. He holds membership in Omicron Delta Kappa, Mortar Board, and Phi Mu Alpha. In 1982 he held a graduate assistantship at Northern Michigan University. Mr. Bisgrove currently is pursuing a master of music degree as a graduate assistant in the School of Music.

The final concert of the year by the Symphonic Wind Ensemble, directed by Smith Toulson, will be presented at 8:30 p.m. Wednesday, May 11, in the Music Building recital hall.

The featured soloist will be percussion instructor Dr. C. Armstrong in Michael Colgrass' *Concertino for Timpani*. Several

works for chamber wind ensembles also will be included in the program.

The Penn Statemen Stage Band will present its final concert of the year at 8:30 p.m. Thursday, May 12, in the HUB Ballroom. Graduate Assistant Jim Alberty will conduct the ensemble. Professor of Music E.C. Wareham is the director of the ensemble.

The Studentsmen will perform such tunes as *Satin Doll* as arranged by Sammy Nestico, arranger for the Basie Orchestra; 88 Basie Street, a composition honoring Basie by Nestico; *Scripture from the Apple* by Charlie Parker; *No More Blues*, a piece of Latin flavor by Antonio Carlos Jobim; and *Julian* by Phil Woods in memory of Cannonball Adderly.

The Studentsmen comprise 21 players chosen by audition from all majors. Conductor Alberty is a candidate for a master of music degree in conducting. He holds an M.A. from Louisiana Tech, and a bachelor of music education degree from the University of Tulsa.

The University Choir, directed by Bruce Trinkle, will present a spring concert at 8:30 p.m. Friday, May 13, in the Music Building recital hall. The concert will include works by Virgil Thomson, Leonard Bernstein, Charles Ives and P.D.Q. Bach.

Virgil Thomson's *Hymns from the Old Street* and Leonard Bernstein's *Chichester Psalms* featuring soprano - Paula Heffer, June Miller - organ, Nan Gullo - harp, and the Penn State Percussion Ensemble, directed by Dan Armstrong, will comprise the first half of the program.

The second half will include Charles Ives' *Songs for Chorus*, a collection of seven songs. The Ives will be accompanied by pianists Keith Ward, School of Music faculty member, and Dean Bisgrove, assistant director of the University Choir. Baritone Robert Trehy will sing in the final two songs, "General William Booth Enters Heaven," based on a poem by Vachel Lindsay, and "He Is There."

The final work of the program will be the oratorio *The Seasonings* (S. 1-1½) by P.D.Q. Bach. The work is set for soloists, chorus and an orchestra of strings, brass, slide whistle, kazoo, and trombone.

This will be the final concert for the year by the University Choir.

The School of Music will present two outdoor band concerts this month. The

Nittany Lion Band will perform at 7 p.m. Wednesday, May 11, on the Fisher Plaza outside Kern Building. The Penn State White Band will perform its "Spring Concert in the Park" at the same location, at 7 p.m. Monday, May 16. Rain dates for these events will be Friday, May 13, for the Nittany Lion Band, and Tuesday, May 17, for the White Band.

Both bands will perform selections from standard band literature. The Nittany Lion Band will be directed by graduate assistant Richard Bundy. The director of the White Band is Darhyl Ramsey, assistant professor of music education.

A concert of new works by Penn State student composers will be presented at 8:30 p.m. Monday, May 16, in the Music Building recital hall. A new work by Presser Award Winner Gregory Ziegler will be included.

Recital cancelled

The recital by soprano Paula Heffer, originally scheduled for 8:30 p.m. Monday, May 9, in the Music Building recital hall, has been cancelled. It will not be rescheduled.

Novelist to speak

Francine du Plessis Gray, a noted novelist and writer, will speak and read from her work at 8 p.m. Monday, May 9, in Room 101 Kern Building.

Her talk, "A Writer and Her Crafts: A Reading in Fiction, Nonfiction and Literary Criticism," is sponsored by the Department of English in association with the Women's Studies Program.

Ms. Gray is most well-known for two novels, *Levens and Tyrants* (1976) and *World Without End* (1981). Both novels have been published in a dozen foreign languages. She also has written *Divine Disobedience: Profiles in Catholic Radicalism* (1970), which won the National Catholic Book Award, and *Henavii: The Sugar-Coated Fortress* (1972).

Ms. Gray, born in France in 1930, came to the United States in 1941. She attended several colleges including Barnard College, where she earned her bachelor of arts degree in philosophy and received the Putnam Creative Writing Award.

She has written for United Press (International), *Realities Magazine* and The

New Yorker, Saturday Review and Vogue. Her work includes both fiction and nonfiction and covers the areas of literary drama and art criticism, essays, travel pieces and book reviews.

Brazilian Film Fest

Three films making their Penn State premieres and one making its U.S. debut highlight the Third Brazilian Film Fest to be held at the University Park Campus May 10-12 under sponsorship of the Telecommunications Project for the Americas.

"Xica da Silva," "Bahia," and "The Third Millennium" will be shown for the first time at Penn State, and an acclaimed documentary "Nordeste" Cordel, Repente, Cancao," is being sent from Brazil for its first U.S. showing.

"Xica da Silva," directed by Carlos Diegues, will open the festival at 8 p.m. Tuesday, May 10, in Eisenhower Auditorium. Based on a true story, "Xica" (pronounced Shee-ka) focuses on an 18th-century black slave who seduced the Portuguese governor of the diamond mining colony of Tijoco.

The fest continues on Wednesday, May 11, in Eisenhower with a double feature. "Nordeste: Cordel, Repente, Cancao" will be shown at 8 p.m. This one-hour documentary, providing introduction to the popular songs and stories of contemporary northeastern Brazil, was sent by the Brazilian Foreign Ministry especially for Film Fest.

The second feature, "Bahia," will be shown at 9:10 p.m. Based on a Jorge Amado novel, this story of star-crossed love is set against the backdrop of Bahia's shantytown slums.

This year's fest also features documentary film showings during the lunch hour in Room 112 Kern Building. On Tuesday, May 10, a documentary showcase includes "Mr. Ludwig's Tropical Dreamland" at noon and "Brazil . . . Children of the Miracle" at 1 p.m.

The fest concludes at noon Thursday, May 12, with "The Third Millennium," directed by Jorge Bodansky and Wolf Gauer. A colloquium will be held in 112 Kern at 2:20 p.m. Wednesday, May 11, in conjunction with the film fest. Dr. Raymond Moloney, professor of Spanish and Portuguese at Miami University of Ohio, will compare the Afro-Brazilian and Afro-American experiences.

News in Brief

Skin cancer program

In response to the recent employee wellness survey at University Park, a program on skin cancer, "Sense in the Sun," will be offered over the noon hour from Monday, May 9, through Thursday, May 12.

Sponsored by the Centre County Unit of the American Cancer Society, the Ritecure Health Center and Personnel Administration's Office of Employee Development, "Sense in the Sun" will be featured between 12:10 and 12:50 p.m. at these locations:

Monday, May 9: Kern Auditorium and Room 316-317 in the HUB.

Tuesday, May 10: Room 29 Intramural Building and Room 101 Nursing Consultation Center.

Wednesday, May 11: Room 29 Intramural Building and Room 101 Nursing Consultation Center.

Thursday, May 12: HUB Auditorium and the Tower Room of Pattee Library.

According to Dr. J. Robert Wirag, director of health promotion and education for University Health Services, the program is particularly appropriate for anyone who scored in the moderate to high risk range for skin cancer on the "Cancer, Assessing Your Risk Test" distributed in January as part of the Employee Wellness Program.

Brotherhood Day

Martin Luther King III, son of the late Dr. Martin Luther King Jr., will be guest speaker for Brotherhood Day at 8 p.m. Sunday, May 8, in Schwab Auditorium on the University Park Campus.

Brotherhood Day is set aside each year to promote respect and understanding among racial, cultural, ethnic, and religious groups. It is sponsored by the Undergraduate Student Government, the Black Student Union, the Association of Residence Hall Students, the Forum on Black Affairs, the Office of the Provost, the Office of Student Affairs, the Office of Minority Affairs, and others.

Mr. King, 25, is the second of four children born to Dr. and Mrs. Martin Luther King Jr. He currently is working on a fund-raising project for the Martin Luther King Jr., Center for Nonviolent Social Change — on whose board of directors he serves. He also is on the board of directors for Black Family Magazine.

Faculty publications data due

Faculty and staff who wish their publications and professional activities listed in the University's annual bibliographies should send this information to their department heads,

research deans, or intercollege research unit directors.

Detailed instructions for the submission of these listings were given in a May 1 memo from Dr. R.G. Cunningham, vice president for research and graduate studies. Copies are available from department heads or research deans.

Commonwealth Campus faculty should send their listings to the respective department head at University Park with an informational copy to the campus executive officer and Commonwealth Campus dean. Contributions should be in the department head's hands in sufficient time to reach the office of the vice president for research and graduate studies by July 31.

The bibliography is printed in two publications, "Research Publications and Professional Activities" and "University Publications, Reports to Agencies, and Reviews." To be included are books, research papers and articles, substantive and/or final reports sent to state and federal agencies, informational materials (articles and reports printed in non-refereed journals), and novels, short stories, musical compositions, exhibits of fine arts, reviews, inventions, patents, and any other activity that meets recognized standards of excellence in its field.

Bell Labs executive to speak

Robert O'Brien, head of employee information at Bell Laboratories, will speak to interested students and the public on the role of writing in the corporation at 3:30 p.m. Wednesday, May 11, in Room 320 Willard Bldg. Mr. O'Brien, a 1968 Penn State graduate with an M.S. degree in French literature and linguistics, has had management responsibilities for executive speechwriting, press relations, advertising and special writing projects at Bell Labs, research and development unit of the Bell System.

His talk is sponsored by the Department of English and the Institute for the Arts and Humanistic Studies.

College cited for research

The College of Education has been ranked in the top 10 of educational research centers in the country, according to a recent national study. This Spring's issue of *The American Educational Research Journal* lists Penn State as ninth of the leading 25 institutions in educational research productivity. The ratings were based on each institution's seven-year record (from 1975-76 to 1981-82) of publications in 14 leading educational research journals and presentations at AERA annual meetings.

Faculty/Staff Alerts

Health care review

Regular University faculty and staff members are urged to review periodically the deductions being taken for their health care coverage (hospital/surgical/major medical, dental and vision) to be certain that they are paying for the correct coverage.

A change in family status may affect your cost and your coverage. For example, when you get married, when you have a first child, or when your spouse stops working for the University, you run the risk of having inadequate dependent coverage, if you haven't taken steps to indicate the change in coverage desired.

Consideration should be given to changing coverage if any of the following circumstances arises:

1. You get married.
2. You get divorced (or separated and no longer wish to provide spouse dependent coverage).
3. You become the parent of a first child (note: a baby is covered automatically for 31 days following birth; however, to provide for coverage beyond that time for a child, a coverage form must be completed).

4. Your only dependent child reaches age 19 (or 23 in the case of a full-time student).

5. Your only dependent child gets married.

6. Your spouse begins or ceases working for the University as a regular employee.

7. Your only dependent child begins or ceases working for the University as a regular employee.

8. Your spouse enters military service.

9. Your only dependent child enters military service.

10. Your spouse dies.

11. Your only dependent child dies. If you feel a change should be made, call, write, or visit the Employee Benefits Division, Room 133 Willard Bldg., 865-1473.

Faculty or staff members located away from University Park may receive assistance by contacting the appropriate business manager or regional personnel officer.

The University has no way of knowing whether a change should be made, so it is the responsibility of the individual faculty or staff member to keep his or her records up to date. No refunds for overpayment will be made, unless it can be shown that the University was in error.

Dependent children health coverage

Faculty and staff members with children

are reminded that dependent children are covered under the University's health insurance program until the age of 19, unless they are full-time students. Those who are full-time students continue to be covered until age 23.

Therefore, it may be desirable to seek other health insurance coverage in advance for dependent children approaching age 19 or 23, as applicable.

The University's insurance carrier does offer a hospital/surgical/medical plan to which the group insurance program may be converted. Information and application forms for this conversion coverage may be obtained from the Employee Benefits Division, Room 113 Willard Bldg. (865-1473). Information about other independent coverage can be obtained from commercial agencies or salespersons.

Updating employee information

University employees often acquire additional skills or knowledge through course work, training programs, and individual study that they didn't have when they initially joined the University. In addition, an employee may gain experience in another field through outside activities.

The Employment Division says it is very important to know about all such skills or knowledge when an employee applies for promotion to another job. Unless the employee provides this information, his or her file may contain only information on education, training or other experience provided either at the time the person joined the University or last had contact with the Employment Division.

Therefore, the Employment Division urges every employee to consider whether he or she can add now to the information currently on file and to remember also that such information should be updated any time when appropriate. Persons who wish to do so should request a biographical data form from the Employment Division, 117 Willard Bldg., 865-1387 (Network 475-1387), or submit a revised resume.

Long distance telephone calls

The University has been able to offset ever increasing costs for long distance telephone calls by utilizing the less costly PANET service (sometimes referred to as the "network" or "wide area") whenever possible, instead of regular telephone company long distance trunk lines.

Faculty and staff members are reminded that even though the charges on PANET are less, departments nevertheless are billed directly for every second of time-of-call, just as they are if regular long

distance lines are used. A department does not receive a flat monthly billing. Each call results in a direct department billing indicating time, date and length of call, number called and cost. Therefore, a PANET call should be treated as any other long distance call, and such calls are to be made strictly for University business. Unauthorized use of University lines for personal long distance calls is a misuse of appropriated funds.

Everyone's cooperation is needed, if the University is to keep its costs for telephone service to the minimum possible.

Memorial Day holiday

The University officially recognizes Memorial Day on the last Monday in May. A holiday, except Christmas, falling on a Sunday is officially recognized by the University the following Monday. The University will observe Memorial Day on Monday, May 30.

Unemployment compensation

From time to time, the Office of Personnel Administration receives inquiries concerning the Pennsylvania Unemployment Compensation Law as it applies to the University. Generally, questions are raised regarding what the law covers and employee eligibility to receive unemployment compensation benefits.

Unemployment Compensation is like an insurance plan designed to afford eligible employees limited protection against loss of wages while out of work through no fault of their own. This job insurance, however, does not protect employees against wage loss if they are absent from work through illness or they are not working by their own choice.

The State Office of Employment Security determines the eligibility of persons to receive benefits. Payments are made only to persons who qualify. Payments are not based on need.

It is important to note that employers pay the total cost of providing unemployment insurance for their employees. Employees do not pay any of this cost. Insurance against unemployment is entirely separate from the insurance commonly termed "Social

Security," which provides another cushion against complete loss of earnings to individuals and dependents because of retirement or death. Employees together with employers help to pay for this latter form of insurance.

New program benefits employee

When Harold Weik began work as an animal caretaker at the Hershey Medical Center in 1970, he didn't give much thought to his Penn State medical benefits.

But this past year he became an expert on the subject after undergoing triple bypass heart surgery at the Medical Center. In addition to having a hospital bill of more than \$26,000 paid almost entirely by his medical insurance, Weik, who still works at the College of Medicine's Animal Research Facility, became the first University employee to use a relatively new benefit called Sickness and Accident Supplement (SAS).

This benefit is an addition to the regular sick leave program and provides for continuation of salary, at a reduced level, to the employee with a short-term disability following the use of, or in conjunction with, paid sick leave.

Weik had his heart surgery in July, and was not able to return to work until Nov. 1. His sick time already had been used due to some earlier surgery and injuries. Under the SAS program, he received one-third of his regular pay during the period from his 61st day of absence until he returned to work.

Weik says things were "pretty rough" financially during his recovery period. Besides his wife, he had 17-year-old twins, a son and a daughter, still living at home.

"We would have had a tough time paying the bills without that money," he recalls. "Luckily, we have a pretty good garden, and that helped, too. But I couldn't wait to get back to work."

If Weik had still had some of his sick days left, he could have stretched them out by requesting that one-third day of accrued sick leave be applied to each day of absence. This, plus the one-third pay he would receive under the new SAS benefit, would have given him two-thirds of his salary.

University. He works at the Bookstore from 7:30 a.m. to 4:30 p.m. and can be reached at either 863-3276 (please leave a message) or 684-5896.

Obituary

Olga A. Toscano, residence hall worker in Housing and Food Services from April 4, 1966, until her retirement Jan. 8, 1977, died April 24 at the age of 71.

Carpoolers

Duane Stiner is looking for riders from the Houtzdale, Osceola and Phillipsburg areas to form a van pool to the University for day shift (7:30 a.m. to 4:45 p.m.). Call 865-4651, 865-5955 or 378-5391 for information.

Rod Barnaby is looking for someone to share the driving from Tyronne to the

Penn Staters

Gifford H. Albright, professor and head of Architectural Engineering, has been appointed to the executive committee of the Construction Research Council.

William Bohm, general manager of the Nittany Lion Inn, has been elected to the board of directors of the Pennsylvania Travel Council.

John Cook, professor of art, has been cited by Coin World magazine for his work as the U.S. delegate to the Federation Internationale de la Medaille (FIDEM), the international medallic art organization.

Ray T. Fortunato, assistant vice president for personnel administration, presented the keynote address at the College and University Personnel Association Southern Regional Conference in New Orleans.

Dr. H. Seymour Fowler, professor

emeritus of nature and science education, has been selected for the Marquis edition of "Who's Who in the World," a publication giving the biographies of some 2,000 international figures.

Dr. Henry J. Hermanowicz, dean of the College of Education, has been named a member of the board of directors of The Bela Bartok Society of America. The Society works to promote the understanding of Bartok's music through lectures and seminars.

Dr. Edwin L. Herr, head of the Division of Counseling and Educational Psychology, has been installed as president of the American Personnel and Guidance Association.

Dr. Donald B. Keat, professor of education, has been named a diplomate of the American Board of Professional Psychology.

Dr. Barnes W. McCormick, professor

and head of Aerospace Engineering, served as visiting professor at the University of Missouri-Rolla.

Dr. T. King McCubbin, professor of physics, has been awarded a Fulbright grant to conduct molecular spectroscopy research at the Pierre and Marie Curie University in Paris, France. He is one of approximately 2,000 Americans sent abroad for the 1983-84 academic year under the Fulbright exchange program.

Dr. John R. Nesselrode, professor of human development, was an invited guest of the West German Health Ministry's Institute for Social Medicine and Epidemiology, where he helped design a longitudinal study of health-related behaviors in German adolescents. He also presented a paper on selected design and measurement issues of the research project.

Dr. David L. Questad, assistant

professor of engineering mechanics, has been named a 1983 Summer Faculty Research Fellow of the Southeastern Center for Electrical Engineering Education to conduct research at the Rocket Propulsion Laboratory at Edwards Air Force Base.

Dr. Elizabeth M. Ray, professor of home economics education and head of the Division of Occupational and Vocational Studies, is editor of a new refereed academic journal in home economics. "The Journal of Vocational Home Economics Education" will be published quarterly, starting with the Winter 1983 edition.

Dr. K. K. Shung, assistant professor of bioengineering, presented a paper at the third meeting of the World Federation on Ultrasound in Medicine and Biology in Brighton, England. The paper dealt with erythrocyte compressibility and scattering by atherosclerotic lesions.

Promotions

Staff Exempt

Daniel W. Greening to assistant director, federal and state programs in Student Administrative Services.
 Todd K. Johnson to accountant general for housing and food services in Housing and Food Services.
 John D. Poplinski to coordinator, plant disease clinic in Agriculture.
 Laura J. Reese to assistant extension agent in Agriculture.

Staff Non-Exempt

Jaqueline C. Wolfe to administrative aide in Agriculture.

Clerical

Bobbi B. Amacher to secretary B in Agriculture.
 Jeanne Beaton to secretary B in Science.
 Nancy S. Brouse to secretary B in Business Administration.
 Sandra M. Conway to customer service clerk A in Bookstore.
 Marian M. Lohr to food preparer A in Housing and Food Services.
 Alice M. Lyons to janitorial worker in Physical Plant.
 David A. Raydo to maintenance worker general B at Behrend.
 Elma L. Reese to janitorial worker in Physical Plant.
 Paulette R. Tressler to food preparer B in Housing and Food Services.

Technical Service

James Burket to storeroom assistant in Nittany Lion Inn.
 Marlin L. Fisher, Jr. to receiving clerk at Hershey.
 Marian M. Lohr to food preparer A in Housing and Food Services.
 Alice M. Lyons to janitorial worker in Physical Plant.
 David A. Raydo to maintenance worker general B at Behrend.
 Elma L. Reese to janitorial worker in Physical Plant.
 Paulette R. Tressler to food preparer B in Housing and Food Services.

25-year awards



Observing 25 years of service at the University are, from left, Shirl Dillon, senior housekeeper supervisor, East Halls; Dr. Stanley H. Rosen, professor of philosophy, and William P. Simons, specialist in adult training, Institute for Motor Fleet Supervisory Training.

Joyce M. Warden to residence hall utility worker in Housing and Food Services.

going to do it all," he says. He plans to start gardening and improving his home.

Two University employees, each with over 30 years of service, are retiring.

M. Evelyn Irvin, a food service worker for her entire 34-years with the University, retired from the Department of Housing and Food Services April 30.

Alton D. Kessinger, who began in Maintenance and Operations and was later promoted to maintenance worker in Physical Plant, is ending his 33-year career with the University on May 14.

Samuel A. Dum, professor, Agriculture, from May 1, 1967, to May 1.

Minerva E. Tate, accounting clerk, Agriculture, from March 1, 1968, to April 30.

Betty H. Dunwoody, administrative assistant, Hershey, from May 1, 1966, to April 30.

Margaret Felice, clerk, accounting, Commonwealth Educational Systems, from Oct. 25, 1971, to April 30.

Kathryn Youhoun, resident hall worker, Housing and Food Services, from Aug. 21, 1972, to April 23.

Samuel M. Leadley, associate professor, Agriculture, from July 1, 1967, to April 1.

Anne S. Levett, secretary, New Kensington Campus, from Sept. 1, 1968, to April 1.

Martha Wojcik, associate Extension agent, Agriculture, from July 1, 1972, to March 1.

Partings

Charles L. Bush, residence hall preventive maintenance worker, retired May 1 after 21 years of service.

Mr. Bush joined the Housing and Food Services staff in September 16, 1961. During his years of working at the University, he was "treated really well and worked with nice people."

A resident of Bush Hollow, which is named after one of his relatives "somewhere along the line," Mr. Bush will be busy doing things he has set aside over the years. "I don't know how I'm

The College of Education had prime responsibility for assembling the work, which is sponsored by the 14,000-member American Educational Research Association.

Harold E. Mitzel, associate dean for research and graduate studies, was editor-in-chief of the current edition. John Hardin Best, professor of education, and William Rabinowitz, professor of educational psychology, were associate editors.

Twenty-two other University faculty members — 14 from the College of Education and the others from the colleges of Human Development and Arts and Architecture — were contributing authors for the encyclopedia. Henry J. Hermanowicz, dean of the College of Education, served as consulting editor.

The work is a four-volume set and includes 256 articles on topics ranging from aging to faculty development to women's education.

Since its establishment in 1941, the encyclopedia has become "the definitive reference work in the field of education for educational research," Dr. Mitzel said. The last edition, which was published as one volume in 1969, sold more than 20,000 copies around the world.

Besides educators or anyone who works with children and youth, the encyclopedia is valuable for educational researchers such as graduate students, because it includes extensive bibliographical references after each article, Dr. Mitzel said. In addition, each entry includes an overview of the subject, a review of research problems in the field, and, for the first time, policy implications of the research area.

Topics that have been added since the last edition, as a result of "cataclysmic changes" in education, include drug education, computer-based education and equity issues in education. Dr. Mitzel said. In addition, sections on statistics and cognitive learning are much more comprehensive.

Contributors are: Eunice N. Askov, Kenneth R. Beittel, William Lowe Boyd, Jean O. Britton, Joseph H. Britton, Carol A. Cartwright, Francis J. Di Vesta, Juris G. Draguns, Paul A. Games, Edwin L. Herr, Henry C. Johnson Jr., Ann Lamie Landry, editorial assistant.

Jane M. Madsen, Robert W. Ott, Donald L. Peters, Anne C. Petersen, K. Warner Schaie, Edmund C. Short, John D. Swisher, Cecil R. Truubood, Paul D. Weener, Sherry L. Willis, John Withall.

Bookshelf

Dr. Barbara L. Bleau, assistant professor of mathematics at Capitol Campus, is the author of *Forgotten Algebra: A Refresher Course*, published by Barron's Educational Series, Inc.

The book is for the person with a deficiency in algebraic skills, whether resulting from inadequate learning or from the passing of time. The workbook was prepared originally to provide a means of removing such deficiencies among college students (especially returning adults) without hindering their progress by requiring them to take remedial courses.

Dr. Bleau says *Forgotten Algebra* was designed as a self-paced workbook that requires no in-class time. It can supplement various traditional mathematics courses, or it can be used to "brush up" before entering a course or taking a standardized entrance examination such as the SAT, GRE, or GMAT.

Each unit of the workbook provides explanations and includes numerous examples, problems, and exercises with detailed solutions to facilitate self-study. Students should be able to complete all units satisfactorily in one semester in conjunction with a full load of courses.

At the Capitol Campus, the workbook is used by business administration students as a supplemental text in calculus. "It has been successful with five different calculus texts," Dr. Bleau says. "It has proved especially useful with introductory calculus and statistics courses for nonscience majors."

Dr. Edward A. Brawley, associate professor of social welfare, is author of *Mass Media and Human Services*, published by Sage Publications Inc., Beverly Hills, Calif.

The book is a practical handbook for social workers, counselors, and other human service professionals who want to reach the public through the mass media. The first half of the book describes the range of possibilities available to inform

the public about a social agency's or community organization's services, to educate the community about local social problems and sources of help, to promote self-help efforts, and to communicate preventive messages. The second half provides specific guidelines for implementing effective media strategies — how to work with local newspapers, television and radio to accomplish public information and community education goals, and how to evaluate the results.

This volume is expected to serve as a daily source book for human service professionals who want to engage in public relations and public education activities. It offers a wide selection of practical ideas for gaining positive media coverage, gives examples of successful media strategies, and includes numerous aids and checklists.

According to Dr. Brawley, there is growing recognition among social workers and other human service personnel that effective use of the mass media can increase the public's understanding and support of their goals and activities. "It can generate greater community support for human service organizations and their services," he notes, "and have a significant impact on the opinions and actions of legislators and other public officials."

Good use of the print and broadcast media, he adds, can enable human service professionals to communicate helpful information to the public that can increase the capacity of individuals and families to cope with many of life's stresses and challenges. "Local newspapers, television and radio can be potent allies of a community's human service organizations," Dr. Brawley says, "greatly extending their reach and amplifying their contribution to the well-being of the community and its members."

The fifth edition of the *Encyclopedia of Educational Research*, a special reference work for topics related to education — edited and coordinated by University faculty members — has been published by MacMillan Publishing Co. of New York.

Penn State Room receives \$10,615 gift

The Penn State Room at Pattee Library has received a gift of \$10,615 from University alumnus and Trustee Mimi Barash Coppersmith that has been used to enhance the room's audio-visual capabilities.

Users of the Penn State Room now have the opportunity to view films on a Cinescan, a device that allows several people to watch a film on a small screen without the aid of a projector.

"The device enables viewers to document the University's production of audio-visual materials since the early 1940s," says Charles Ness, assistant dean of libraries.

With the gift, many films have been moved into the Penn State Room from

Penn State Audio-Visual Services and other sources. A total of 450 University-produced films are now available in the Penn State Room.

Also, the gift donated by Ms. Coppersmith, a State College business woman and the publisher of *Business and Gown* and *When* magazines, is being used for the preservation and protection of resources in the Penn State Room.

"This gift from Mimi Barash Coppersmith," says Dean Ness, "has helped the Penn State Room meet two of its most significant needs: dealing with new format of materials, and preservation and protection of existing materials."

University gets income from new medicine

Key Pharmaceuticals, Inc. of Miami, recently gave the College of Science \$250,000 — a percentage of the first year's sales income from a new medicine developed by Alec Keith, adjunct professor of biophysics, and Wallace Snipes, professor of biophysics.

Called Nitro-Dur, the medicine is used to treat angina pectoris, a painful disease caused by blocked arteries. Key manufactures and markets the round, adhesive bandage containing nitroglycerin in a special gel, which was invented and

patented by Drs. Keith and Snipes.

"We applied basic science to a practical pharmaceutical problem," Dr. Keith said. He and Dr. Snipes began work on the transdermal delivery system for nitroglycerin in 1978. In January 1979, they applied for a patent, and in 1981, they received it. Production and marketing began in December 1982.

Dr. Snipes said he and Dr. Keith studied the principles of diffusion at their Penn State lab. "The knowledge gave us a handle on solving the problem Key gave

us," he said.

Dr. Keith, who also is vice president of Key Pharmaceuticals, said he and Dr. Snipes worked out an agreement with Key that will benefit the College of Science through 1998.

"We thought one percent of net sales would be an equitable position for Key to take in regard to the University," Dr. Keith said. "It was not an obligatory position for the company, but Key acted by exercising an optional aspect to donate to the University."

"We are grateful to the inventors and to Key for their enlightened approach to support for academic research," said Dr. Thomas Wartik, dean of the College of Science. "Our contact with Key Pharmaceuticals is the most beneficial patent arrangement that the College of Science has had."

Dr. Wartik noted that he plans to use the funds as an endowment to help the College in a permanent fashion. The money may eventually be used to establish a professorship or chair.

The accumulated benefits of Nitro-Dur will number in the millions of dollars, Dr. Wartik said. In the first half of 1983,

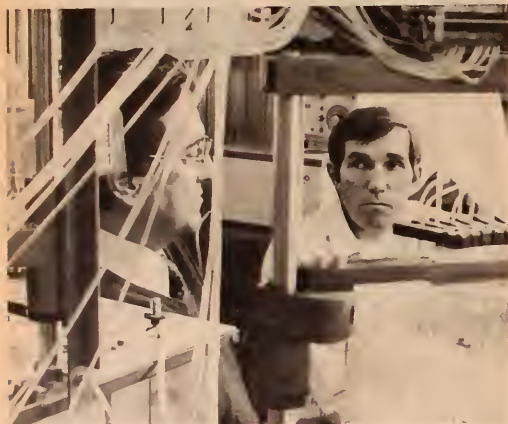
181,000 new patients were started on Nitro-Dur.

Nitroglycerin has been used for more than a century to treat angina. It relaxes the blood vessels so that the heart doesn't have to work so hard to get oxygen, relieving the pains angina causes in the chest and arm.

Nitro-Dur is applied to the body like a Band-Aid. It ranges in size from four to six inches in diameter. The nitroglycerin in the bandage enters the blood stream through the skin and goes directly to the heart. Nitroglycerin taken by pill first passes through the liver before it gets to the heart and is effective for only 12 minutes. Nitro-Dur's time-release delivery system provides 24-hour relief.

Nitro-Dur sells for \$1 per patch, and it is worn on the chest or arm. The only known side-effects are headaches and skin irritation from the adhesive.

The transdermal delivery system used in Nitro-Dur has potential value for other drugs that readily go through the skin, Dr. Snipes said. He and Dr. Keith are now working on Nitro-Dur II, which will be smaller in size and adhere better than Nitro-Dur.



Drs. Alec Keith, left, and Wallace Snipes, inventors of a transdermal delivery system for nitroglycerin, in Mueller Laboratory where they did some of their early research on Nitro-Dur.

College establishes Taiwan program

The College of Education is establishing a faculty and student exchange program with the National Taiwan Normal University, to go into effect later this year.

"Our goal is to help the Chinese upgrade their industrial base so as to get out of the labor-intensive system they currently use and adopt the new high technology," says Frederick G. Welch, associate professor of vocational education.

The official signing of the exchange

agreement will take place at a conference in Taiwan in June. All southeastern Asian countries will be invited to send representatives, and College of Education Dean Henry J. Hermanowicz will meet with officials from the government-run Taiwan school to make the final plans.

The new arrangement will call for at least one Penn State professor to go to Taiwan and at least one Chinese undergraduate faculty member to come to Penn State per year on an assistantship.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., May 12, 1983. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap (as provided by law), sex, or status as a disabled or Vietnam era veteran.

*** Counselor — Career Development and Placement, Delaware County Campus —** Responsible to the campus director through the dean of student affairs for conducting personal, educational, career and placement counseling programs on the campus. Assists with the work of other student affairs and campus divisions as assigned by the dean of student affairs. A master's degree in clinical or counseling psychology, counselor education, or equivalent training, plus a minimum of two years of applicable professional experience in educational/vocational counseling or related experience; or Ph.D. or D.Ed. in clinical or counseling psychology, counselor education or equivalent training, plus a minimum of one year applicable professional experience in educational/vocational counseling or related experience. Position available on July 1, 1983.

*** Staff Systems Designer, College of Engineering, University Park —** Responsible for consultation with research personnel to provide system requirements and design philosophy for electronic research equipment and for design of such equipment. Establish system requirements and basic design philosophy of equipment, considering use, feasibility of design, cost, etc. Outline design specifics and circuitry configurations. Maintain knowledge of state of the art. B.S. degree in electronic engineering or physics, plus 4 to 5 years effective experience in electronic circuit design, electromagnetic system development and design, including microwave and optical, and a knowledge of current

electronic designs and devices including digital and analog systems.

*** Financial Aid Coordinator — Wage Monitoring, Office of Student Aid, University Park —** Responsible to the assistant director of student aid for the administration of the University Wage Payroll Monitoring System, for counseling students on financial aid matters, and for assisting in the internal administration of all financial aid programs. Master's degree or equivalent in student personnel services, public administration, business administration, or other related field, and up to one year of effective experience are required.

*** Patient Unit Coordinator — A, College of Medicine, Hershey —** Responsible to the associate hospital director/director of nursing services or the assistant director of nursing care activities as designated for coordination of patient care service, and maintaining acceptable standards of good patient care on a twenty-four hour basis. A bachelor of science degree in nursing or equivalency plus three to four years of effective experience and licensed to practice as a registered nurse by the Pennsylvania State Board of Nurse Examiners.

*** Applications Programmer/Analyst, Management Services, University Park —** Responsible to the designated project leader for conducting analyses of data processing and customer concerns, determining detail requirements to solve problems, formulating logical statements of system problems, and preparing computer programs to satisfy reports. Assist in providing direction and control within specifications of project schedules. Bachelor's degree or equivalent in basic computer systems and one to two years of effective experience in computer programming and analysis.

*** Nurse Anesthetist, College of Medicine, Hershey —** Administratively responsible to the chairman of the Department of Anesthesiology and professionally responsible to a designated anesthesiologist to administer anesthesia, and to provide pre-operative, operative, and post-operative care to patients. Graduate of accredited school of nursing plus graduation from an accredited school of nurse anesthesia and registered in the State of Pennsylvania. In addition, one to two years of effective experience are required.

*** Manager, Design Services, Office of Physical Plant, University Park —** Responsible to the assistant director, Physical Plant Planning and

Design for the overall management and administration of a major line organization within Office of Physical Plant, including short and long-range planning, organizing, and controlling functions. Directly supervise senior architects and engineers responsible for the day-to-day planning, developing, implementing, and administering the design services section of Planning and Design. Bachelor's degree in architecture or architectural engineering plus four to seven years of effective experience involving technical and administrative duties. Professional registration required.

*** Computer Operator, College of Medicine, Hershey —** Responsible to the manager of the Medical Computer Center, College of Medicine, for monitoring and controlling electronic computers on established routines, and for assisting department staff members as required. Two years of college, or equivalent, with one to two years of experience in data processing.

*** Junior Research Aide, College of Science, University Park —** Responsible for maintaining tissue culture facility. Culture and test cell lines and primary mammalian cells. Prepare and sterilize test media. Maintain laboratory sterile hood, incubators, glassware. Associate degree or equivalent with major emphasis in biology, chemistry, or one of the sciences. Three to twelve months of effective experience in cell culture work and/or sterile laboratory experience.

*** Program Assistant, Commonwealth Educational System, Worthington Scranton Campus —** Provide assistance to the assistant director in planning, implementing and conducting the continuing education program of the campus service area; responsible for supervising office procedures, exercising fiscal controls and maintaining related records. Bachelor's degree (or equivalent) plus one to two years of effective experience in performing administrative and supervisory tasks preferably related to the conduct in continuing education programs. FIXED TERM POSITION FUNDED THROUGH JUNE 30, 1984 WITH POSSIBILITY OF REFUNDING.

*** Classification Analyst, Office of Personnel Administration, University Park —** Responsible to the Manager for assisting in various administrative duties related to the University's wage and salary classification plans. Gather information for review of existing positions or the classification and evaluation of new positions. Write job descriptions based on the compiled data. Assist in conducting research, surveys and compiling data for a wide variety of special projects and reports. Bachelor's degree or equivalent, preferably in personnel administration or industrial engineering, plus a minimum of one to two years of effective administrative experience preferably in job evaluation and classification activity. Must possess a familiarity with various trades skills.

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PHYSICALS SECTION

University will host Keystone State Games finals

The University again will host the finals of the Keystone State Games, a festival of sports for the state's amateur athletes, on Aug. 12 to 15 at the University Park Campus.

"Approximately 3,000 athletes and coaches, as well as many sports fans, will be here for the finals," says Dr. Diana R. Dunn, dean of the College of Health, Physical Education and Recreation. "We're extremely pleased to host this statewide event for the second year."

The Local Organizing Committee for the games is being chaired again by Davies Bahr, instructor in physical education.

Twenty-four sports will be represented in this year's games. Most involve competition in men's and women's divisions. The finals will be the culmination of a summer-long qualifying process that takes place at locations throughout the state.

Sports represented include archery, athletics (track and field), baseball, basketball, boxing, canoe and kayak,

cycling, diving, fencing, field hockey, gymnastics, ice hockey, judo, rowing, rugby, shooting sports, soccer, softball, swimming, synchronized swimming, volleyball, water polo, weightlifting and wrestling. Wheelchair events in several sports also will be held.

Competition will be held in scholastic, open and age group divisions for most of the sports. Athletes must be amateurs and be Pennsylvania residents for at least 30 days prior to the regional qualifying date for the sport in question.

Keystone State Games, Inc. (KSG), the administrative and financial director of the games, is linked closely to the Governor's Office, the Pennsylvania Department of Health and the Governor's Council on Physical Fitness and Sports.

Penn State's College of Health, Physical Education and Recreation is involved through a contract arrangement with KSG to provide services during the finals Aug. 12-15.

Mrs. Bahr's Local Organizing

Committee will be responsible for areas such as on-site housing for competitors and coaches, medical services, local

communications, sports site preparation, and on-site sports information services to the media.



Involved in planning for the finals of the Keystone State Games are, from left, Davies Bahr, instructor in physical education who is chairing the Local Organizing Committee; Owen Costello, executive director of Keystone State Games, Inc., and Dr. Diana R. Dunn, dean of the College of Health, Physical Education and Recreation.

Senate passes legislation from Faculty Affairs

The University Faculty Senate has passed legislation from the Committee on Faculty Affairs and postponed endorsing legislation from the Committee on Libraries.

Faculty Affairs recommended two changes to PS-24 — professional dual titles for research rank faculty — which were passed by the Senate.

The committee suggested that a fifth person be added to the review committee for the granting of these titles, and that an amendment explaining the annual review process be added to PS-24.

The review committee now consists of the head of the intercollegiate degree program in which the candidate will profess, the dean of the graduate school (or his designee), the director of the intercollegiate research programs and the director of the candidate's intercollegiate research unit.

The fifth member will be the department head or a representative from an academic department which the dean of the graduate school determines to be closely related to the intercollegiate degree program in which the candidate will profess.

The Committee on Libraries report, which was to be informational, instead

was recommended as a legislative report the day of the meeting. Senators received the committee's recommendations at the door.

The committee asked the Senate to endorse a 16 percent increase in the annual acquisition budget over 10 years and a 5 percent increase in the salary budget over five years.

The legislation was prompted by the University's low ratings compared with institutions in Pennsylvania and outside the state. The University libraries continue to rank low in terms of financial support, volumes and staffing, the report says.

For 1981-82, Penn State has the lowest ratio of volumes per student of the 12 institutions compared: 46/student; it ranks 11th in total expenditure per student: \$191/student; and it ranks 11th in the ratio of librarians/student: one librarian to 508 students.

The committee's recommendations would total approximately \$700,000 annually, Sabih I. Hayek said. The increase would just keep pace with inflation for books and journals and help correct glaring deficiencies in the professional staff, he said.

Two Senators voiced concerns about the

cost involved and the limited time to consider the legislation. A motion to postpone endorsement was passed.

Legislation by the Committee on Academic and Athletic Standards to change Undergraduate Student Rule 67-00 was removed from consideration by the committee. The Committee on Committees and Rules has questioned one section of the legislation. As a result, AAS decided to review its legislation.

In other action:

• Former Senate chairman recommended President Oswald for his 13 years of active support of the Senate by presenting him with a wall plaque done by a local calligrapher.

Nancy M. Tischler made the presentation, saying President Oswald "has taken the Senate very seriously and

implemented an enormous amount of our legislation."

President Oswald said: "The University is characterized by being a large, diverse and complex entity composed of a board of directors, administrators, deans, Commonwealth Campus executive officers and University Faculty Senators. All have critical roles to play in the governance of the University."

"It's critical for a University to have each group work harmoniously with one another in trust and confidence. One of my highest priorities has been to help provide an environment of cooperation and trustfulness."

• Dean James B. Bartoo said the Calendar Conversion Council's grievance committee has been appointed with John

(Continued on page 3)

Deferred payment is approved for tuition, room and board

To help parents meet the rising costs of higher education, the University has instituted a deferred payment plan for tuition and room and board, effective this fall.

President Oswald said a letter has been mailed to all parents of current Penn State freshmen, sophomores and juniors announcing the new plan. A similar letter will be mailed later to parents of incoming freshmen at Penn State.

"We're taking this step at the request of students because of the rising costs of tuition everywhere and because some traditional revenues of student aid have been closed in recent years," Dr. Oswald said. "We're trying, in every way that we can, to ensure that every qualified student has access to a Penn State education."

In particular, he noted, students had requested that such a plan be considered as the University changes its academic calendar from a term to a semester system. Because of that change, which takes effect in the fall, parents will receive fewer but larger tuition bills.

All full-time students will be eligible for

deferred payment. Under the new plan, one-third of each semester's net payable tuition, room and board may be deferred for a period of eight weeks beyond the due date. All eligible aid must be applied to the charges before the deferment option may be taken.

The deferred amount must exceed \$50, and Penn State will have the right to refuse a deferred payment to any student who has not met prior payment agreements.

A \$25 non-refundable service fee will be charged for each semester a student elects to use the deferment plan. It must be included in the first payment. A \$20 late payment fee will be assessed for any deferred amount not paid by the required date.

A statement outlining the deferment plan will be included with each student's estimated bill each semester, Dr. Oswald noted. Students or parents may elect to use the deferment plan by signing the statement and returning it with the required payment and the \$25 fee to the University.

At May 28 commencement 5,600 graduates to receive degrees

More than 5,600 graduates are scheduled to receive degrees at Spring Term commencement exercises at the University Park Campus at 10:30 a.m. Saturday, May 28, in Beaver Stadium. President Oswald will award degrees, assisted by Walter J. Conti, president of the Board of Trustees.

Dr. Oswald, who retires on June 30, will deliver the commencement address. Edward D. Eddy, University provost, will preside at the exercises. Donald Cook of Cherry Hill, N.J., vice president of Penn State's Alumni Association, will induct the new graduates into the Alumni Association.

Dr. John W. Moore Jr., assistant professor of English, and Dr. Manfred Kroger, professor of food science, will receive the Christian R. and Mary F. Lindback Award for Distinguished Teaching at the University. Students Paul Bell of Upper Darby and Todd Blackledge of North Canton, Ohio, will receive two of the University's highest student awards, the Ralph Dorn Hertz Memorial Award and the Eric A. Walker Award.

Separate commencement exercises at 20 of Penn State's campuses will bring the University-wide total of graduates to more than 7,800.



Dr. Thomas A. Wiggins

Wiggins honored for excellence in teaching

Dr. Thomas A. Wiggins, professor of physics, is the 1983 winner of the C.I. Noll Award for excellence in undergraduate teaching in the College of Science.

His name will be inscribed on a plaque listing previous winners which hangs in the main office of the College of Science in Whitmore Laboratory.

The Noll Award is the highest honor for teaching granted by the College of Science Student Council. Dr. Wiggins was cited for his innovative demonstrations and energetic approach to teaching introductory physics courses for freshmen and sophomores and for his dedication to his role as student adviser.

One of his colleagues, Dr. Roger M. Herman, professor of physics, wrote:

"One looking at Tom in his office interacting with students often cannot tell if they are students taking a formal course from him or advisers. In fact, the usual case seems to produce the image of there being something of both at all times. He always has in mind the parallel function of developing the students' minds, spirits and future prospects, and carries out these functions in such a way that the students don't even know it's happening."

David Kenney, a senior engineering science honors major, wrote, "Based on his classroom performance, his ability to affect student motivation and his constant dedication to helping his students both in and out of the classroom, Dr. Wiggins is by far the best teacher I have ever had."

A native of Indiana, PA, Dr. Wiggins earned his B.S. and Ph.D. degrees at Penn State. Except for a stint at George Washington University where he taught from 1948 to 1950 and earned a master's degree, he has served on the Penn State faculty. He was promoted to full professor in 1963 and on July 1 will become departmental coordinator for physics instruction on the University Park campus.

A specialist in physical optics, Dr. Wiggins is a fellow of the American Physical Society and of the Optical Society of America. He has published over 100 articles in scientific journals.

He and his wife, Dorothy, live at 352 W. Hillcrest Ave., State College.

Three will receive distinguished service awards

Dr. Ferdinand G. Brickwedde, Evan Pugh research professor emeritus of physics, Dr. Henry W. Popp, professor emeritus of botany, and Dr. Mary L. Willard, professor emerita of chemistry, will receive the 1983 Distinguished Service Awards of the College of Science Alumni Society.

The awards, engraved plaques, will be presented at the Society's annual meeting and reception at 10 a.m. Saturday, June 4, in the Concourse Lounge of Davey Laboratory.

Dr. Brickwedde came to Penn State in 1956 as dean of the College of Chemistry and Physics, forerunner of the College of Science. He served as dean until 1963 when the College of Science was formed from elements of the Colleges of Chemistry and Physics, Agriculture and Liberal Arts. The same year, he was named Evan Pugh Research Professor of

Physics. He retired in 1968.

Prior to joining the Penn State faculty, Dr. Brickwedde was chief of the National Bureau of Standards for 20 years. It was in 1932 while heading the Bureau's low temperature laboratory that he earned fame by co-discovering heavy hydrogen, one of the most important of all atomic variants known as isotopes. He also headed the first U.S. group to liquefy helium and established the National Bureau of Standard's cryogenic engineering laboratory at Boulder, Colo.

A native of Baltimore, Md., Dr. Brickwedde earned his B.S., M.A., and Ph.D. degrees at The Johns Hopkins University. He and his wife, Langhorne, who taught physics at the University from 1964 to 1974, live in State College.

Dr. Popp joined the Penn State faculty in 1925 and served as head of the Department of Botany and Plant

Pathology from 1950 until his retirement in 1958. During his 33 years on the faculty he taught introductory botany and undergraduate and graduate plant pathology courses. He is co-author of the textbook *Botany*, which has gone through four editions and is widely used throughout the U.S.

Dr. Popp is also the author of research publications on the effects of ultraviolet radiation and different wavelengths of light of the visible spectrum on seed plants.

He and his wife, Margaret, also live in State College.

A State College native, Dr. Willard earned her B.S. and M.S. degrees at Penn State and her doctorate at Cornell University. She joined the Penn State faculty as a graduate assistant in 1921 and retired as professor emerita of chemistry in 1964.

A specialist in chemical microscopy, Dr. Willard was known throughout the chemical industry as an important source of personnel in the field. She personally trained more than 4,000 students during her long instructional career. Her expertise as a teacher has been recognized by various honors including Penn State's Citation for Excellence in Teaching and the Woman of the Year Award.

In addition to her research in chemical microscopy, Dr. Willard distinguished herself as a criminologist. Her first crime detection was in 1930 when she was asked to analyze some alcohol seized in a Prohibition violation case. Since that time, she has assisted law enforcement officers in almost all of Pennsylvania's 67 counties.

She is a lifelong resident of State College.

Distinguished dairy science alumnus named

Dr. Darwin G. Braund of Syracuse, NY, has been named the year's distinguished alumnus in dairy science.

Dr. Braund, selected by faculty members in the Department of Dairy and Animal Science, was honored during the annual banquet of the Penn State Dairy Exposition.

In 1970, Dr. Braund became director of dairy and livestock research for Agway, Inc., Syracuse, NY. In 1972, he became director of dairy and livestock research and development for Agway, the position he now holds. He is responsible for the direction of all research activities for Agway, including the feeding and management research on 400 dairy animals.

He has been involved in several major areas of nutrition research and has authored a number of articles in both the popular press and in scientific journals.

Dr. Braund is a 27-year member of the American Dairy Science Association (ADSA) and has held numerous committee assignments and chairmanships. He is currently chairman of the program committee for the 1983 ADSA annual meeting.

He is a member of numerous other professional organizations, including the American Society of Animal Science and Dairy Shrine. He is a life member of the Penn State Alumni Association and a charter director of the Penn State

Dairymen's Club. He has been active in the College of Agriculture Alumni Society and the Ag Arena Campaign Committee.

Dr. Braund received the bachelor of science degree in dairy science from Penn State in 1956. Upon graduation, he joined the Penn State Dairy Extension staff and helped to make the Pennsylvania Dairy Herd Improvement Program (DHIA) one of the first converted to a centralized data processing system.

In 1960 he entered graduate school at the University of Wisconsin and completed the master of science degree in dairy nutrition and management. He received his doctor of philosophy degree at Michigan State University in 1967.

The students, accompanied by their parents, also receive information about financial aid and career resource programs, and they have an opportunity to get a taste of student life.

During the visit, the students may choose to compete for more than 30 Penn State four-year scholarships. Last year, about 100 students were offered full or partial tuition scholarships. Each year, approximately one-third of the participants enroll at the University.

Penn State among five universities in national project

Penn State is one of five universities in the nation participating in the development of "Adult Experiences: Continuity and Change," a university-level instructional materials package being developed by the National University Consortium for Telecommunications in Teaching.

The two-year project, funded by the Fund for the Improvement of Postsecondary Education, has two primary goals: to develop a television-assisted course for adult, nontraditional learners to be offered by the member institutions of the National University Consortium, and to evaluate a new way of engaging scholars in multidisciplinary course collaboration.

Dr. Gunhild O. Hagestad, assistant professor of human development, represents the University on the course development team. Also included are faculty from the University of Maryland, University of Kansas, Duke University and Rutgers University.

Scholars Program will host students

The Penn State Scholars Program will host some 700 high school students for a visit to the University Park Campus this summer.

The students have been nominated for the program by their high school guidance counselors in recognition of their achievements as one of the top academic students in the junior class of their respective schools.

They will visit University Park for one of two sessions. The first is June 27 and 28, the second is June 29 and 30.

The Scholars Program was initiated in 1975 to recognize and encourage academic scholarship. It provides an opportunity for top students in and near Pennsylvania to meet with Penn State faculty members and students and to become acquainted with the campus.

been offered for the past two summers. The same series also won the NUCEA Creative Program Award for conferences and seminars.

A poster, used by Continuing Education for its summer sports camps, placed first in the four-color poster category. The poster was designed by Lawrence A. Krezo and photographed by James F. Collins Jr., both of University Publications.

A second poster, used by the Division of Learning and Telecommunications to promote offerings of the Department of

Independent Learning, won a concept recognition award. The poster was conceived by Nancy Kelly of Independent Learning and designed and executed by Mr. Collins and Marilyn E. Shobaken of University Publications.

The Department of Independent Learning received a second place for a thirty-second television spot, conceived and written by Ms. Kelly and directed by Ross L. Whitcraft. The Department also won a second place in display ads and a third place award in the campaigns division. Both entries were conceived and

written by Ms. Kelly and designed and executed by Ms. Shobaken and Mr. Collins.

For course development, the Department of Independent Learning also was awarded the distinguished credit course award for its development of Chemistry 34, written by Stephen C. Hoops, assistant professor of chemistry, and edited by Grace Whitefield, and a meritorious non-credit course award for calligraphy, written by Bernice Fischman and edited by Judith Kelly.

CES staff members receive nine national awards

Members of the staff of the Commonwealth Educational System have won nine national awards from the National University Continuing Education Association.

The competition involved 647 entries from 84 institutions.

A series of programs, seminars and courses in the field of antiquities won first place as the Continuing Education Innovative Program of the Year. The programs on antiquities were developed by August R. Fetcko, area representative at the Behrend College where the series has

Senate discusses status of female faculty members

William W. Asbury, affirmative action officer and assistant to the provost, fielded questions during a University Faculty Senate forensic business session this month.

Speaking on the topic of status and opportunities for female faculty at Penn State, he told the Senators that there are disparities in salaries among categories at each rank and location at the University.

Interest in the topic was sparked by the Committee on Faculty Affairs' March faculty salary analysis report. The report, the third since 1979, includes data based on the parameters used by the Office of Planning and Budget for the annual report to the American Association of University Professors. Variables examined are highest degree, years in rank, sex, age and college assignment.

While there are disparities in the different categories, such as males/females, minority, non-minority, the reasons for these disparities are what we try to ascertain each spring by asking each dean and department head what the differences are and how these differences have accrued over time," Mr. Asbury said.

Mr. Asbury has been the affirmative action officer since 1976. Each year, he said, a computer printout is made showing the salary breakdown of faculty members. He investigates specific requests by employees concerned about their salaries as well as analyzes unusual instances of salary disparity.

"I'm not sure that there haven't been decisions on salary based on gender because I have found there have been such instances in the past. We have a long way to go (to eliminate gender disparity)," he said.

He noted that while disparity may imply inequity, that is not always the case. The average salary may be lower in some disciplines, but that may be due to many factors other than discrimination, such as length of service, market place value, research, highest degree, teaching ability, course load and professional associations.

Cara-Lynne Schengrund, associate professor of biochemistry at Hershey, asked why the percentage of females drops from instructor to assistant professor. There are approximately 40 percent females at the instructor level and 20 percent at the assistant professor level.

Mr. Asbury said that the figures reflect a disproportionate number of women who have been instructors for a long time. Ten years ago, it was easier for men and women to enter the tenure track from instructor rank, he said. Today, it is more difficult for both sexes to do so. The percentage differences reflect appointments at the assistant professor level in several instances in disciplines where there are few women receiving terminal degrees.

Patricia Farrell, associate professor and head of Recreation and Parks, asked Mr. Asbury if he was "satisfied these data are free of any decisions based on gender."

He answered that he "cannot guarantee anyone that gender is not a factor in decisions. I can say that the review process on an annual basis involves individuals who I believe do not take gender into account. My job is to remind each of them to look at their salary recommendations fairly."

Average AAUP Salary by Location and Rank* Fall 1982

Rank	Sex	University Park	Commonwealth Campus
Professor	Female	36,293 (5%)	31,203 (19%)
	Male	40,272 (95%)	31,226 (81%)
Associate Professor	Female	27,432 (10%)	25,386 (14%)
	Male	30,086 (90%)	26,873 (86%)
Assistant Professor	Female	22,504 (20%)	20,354 (20%)
	Male	24,664 (80%)	21,770 (80%)
Instructor	Female	16,493 (43%)	17,261 (33%)
	Male	16,801 (57%)	19,330 (67%)

* Equivalent 9/10 month salaries for fulltime faculty members (includes standing and fixed-term appointment faculty members and PSU classification academic and academic administrators).

All University By Primary Occupational Category

		1978	1982
Executive/Administrative/Managerial	Total	674	703
	Women	63	106
	Minorities	15	17
Faculty	Total	3,291	3,284
	Women	561	575
	Minorities	134	187
Professional Non-Faculty	Total	1,629	1,796
	Women	837	936
	Minorities	53	70
Secretarial/Clerical	Total	2,254	2,249
	Women	2,189	2,189
	Minorities	49	59
Technical/Paraprofessional	Total	1,016	965
	Women	652	674
	Minorities	98	83
Skilled Crafts	Total	541	596
	Women	4	5
	Minorities	2	4
Service/Maintenance	Total	2,181	1,994
	Women	925	871
	Minorities	74	61

AAO 2/4/83

Student views to be sought on possible fall commencement

Students scheduled to graduate at the end of fall semester 1983 will be asked for their views on a possible one-time-only commencement program.

"The Calendar Conversion Council has provided me with information on possible ways to recognize seniors graduating at that time," President Oswald said. "The Council, however, did not reach a consensus on this topic and was unable to make a unanimous recommendation to me."

Dr. Oswald said that, based on the information provided by the Council and at the Council's recommendation, he had decided to institute the following actions:

The University Registrar, Warren Haffner, will send information to students who file "intent to graduate" cards for fall semester 1983. Students will be asked to indicate their preference.

The information will include:

- (1) the option that their diplomas be mailed;
 - (2) the opportunity and invitation to participate in spring commencement and other spring activities; and
 - (3) the possible option of a January 7 commencement.
- "Once the registrar has the information from graduating students, it can be determined whether there is sufficient support for a January commencement," Dr. Oswald said. "In the meantime, the Recreation Building has been reserved for January 7, 1984, in case it is needed for a commencement ceremony on that date."
- "This time frame will give President-elect Jordan an opportunity to participate in the decision and will also place all concerned in the position of making a decision based on facts rather than opinion," he added.

Committee examines tenure and promotion policy

The University Faculty Senate Committee on Commonwealth Campuses/Continuing Education has examined the University's tenure and promotion policy (PS-23). Highlights of the committee's report, which was presented to the Senate on April 5, follow.

Since personnel decisions are confidential, the study was limited, the report states. Sufficient data were found to support three general conclusions:

— The tenure and promotion process is extremely individualized and involves complex relationships among individuals and programs. Any year's data related to decisions describe a set of circumstances unique to that year.

— Currently available data support conclusions that (1) the probability that a new tenure track faculty member will achieve tenure is very similar at University Park and at the Commonwealth Campuses; (2) it is virtually impossible to reach any general conclusions about the achievement of promotion. Available data deals only with cases where promotion was recommended; and (3) negative tenure and promotion decisions for Commonwealth Campus faculty are more frequently based in the academic peer review groups of the departments and the colleges than in the more broadly representative campus and University level committees.

— A system which would routinely

collect the type of data used in the committee's report and report it to the appropriate Senate committees is needed.

The Provost's Office recently completed a study of tenure achievement rates for all faculty who entered the tenure track in 1974 and 1975. By 1981, 44.9 percent of these UP faculty had achieved tenure and 42.2 percent of the CC faculty had achieved tenure. (The sample included 161 at UP and 49 at CC.)

The study also looked at those who did not achieve tenure. The results show:

— The percentage "denied tenure" at CC (16.3%) was higher than at UP (9.9%).

— The percentage "counseled out" is higher at UP (9.3%) than at CC (2.0%).

— The percentage recorded as "voluntary resignations" was 31.7 percent at UP and 24.5 percent at CC.

There is nothing in the data to indicate a reason for these differences. It might be assumed however that the closed and more frequent contact among faculty and administrators at UP makes it easier for a faculty member located at UP to assess his or her probability of achieving tenure.

This assumption is supported by the higher rate of "counseling out" at UP. "Counseling out" refers to situations in which a faculty member resigns after learning informally that the probability of tenure is slight.

The Provost's Office study also looked at six-year decisions for CC faculty for

1980-81 and 1981-82. Of the 46 cases, 31 were approved and 15 were denied. Of the 31 approved, 27 were recommended at all levels of review (campus, department and college). Of the 15 denials, 14 were denied by both the college and the Commonwealth Educational System deans. None had received unanimous support at previous levels.

The summaries of the data indicate tenure denials are generally based on negative or significantly split reviews at the department or college level, rather than at the campus or University level.

A third look at tenure achievement was obtained by analyzing President Oswald's annual statements to the Senate summarizing the actions of the University Committee and his office for the preceding year. The data from the president's report covers the success rate only for those considered for tenure in that year. The committee analyzed the president's data for 1978-79 through 1980-82.

The results tend to confirm that there are more tenure denials among faculty at the CC than at UP. (63% of CC faculty and 79% of UP faculty achieved tenure in 1981-82, and 67% CC faculty and 78% UP faculty achieved tenure in 1980-81.)

This data is not directly comparable with the other data cited earlier in the committee's report because the first set of data from the Provost's Office study

looked at how many achieve tenure by the sixth year or sooner, while the president's reports cover those considered for tenure during the year in which the report is made.

In the area of promotion, the data confirm that the critical review level is with the academic peers in the college and departments and that recommendations at these levels generally prevail over recommendations at the campus level and are generally accepted by the University Committee and the president.

Two sources of data are available on promotions: from CES covering recommendations for promotion to associate and full professor for 1980-81 and 1981-82; and from the president's reports to the Senate.

Data from CES show 39 recommendations were considered; 26 were sent to the University Committee with the support of both the college dean and the CES dean; 22 were promoted; and of the 13 cases not supported at the dean's level, 12 were the result of decisions by both deans not to recommend promotion.

Data from the president's reports show that of the 35 CC faculty recommended for promotion to associate professor and professor, 19 or 54.3 percent were approved, and of the 261 UP faculty recommended for promotion, 148 or 56.7 percent were approved.

Faculty/Staff Alerts

Employment of minors

Supervisors are reminded that under the law an employment certificate (sometimes called "working papers") is required before any minor begins working for the University. A minor is anyone under age 18 who has not graduated from high school, or who has not been declared by the high school as having attained maximum academic potential in lieu of graduation. Also, the minimum age for University employment is age 16.

The employment certificate is issued by the minor's high school for a specific job. If the minor changes jobs within the University, a new certificate is required. Employment certificates are maintained on file by the Employment Division, or appropriate business or personnel office at facilities away from University Park. When a minor ceases employment, the Employment Division, or appropriate business or personnel office, must be notified so that the certificate can be returned to the issuing high school.

Supervisors hiring minors should review University policy PS-2, Employment of Minors, before committing employment to a minor.

Disability program still pending

In January it was announced that a Long Term Disability Plan would be offered to faculty/staff members who belong to the TIAA retirement plan and also to those in the other retirement plans, but who have less than five years of service and, therefore, do not yet qualify for disability benefits under their particular retirement plans.

In order to implement the plan it is necessary to have 75% participation by those who are eligible. At the present time, the 75% requirement has not been reached, but it is close for standing appointments in the TIAA retirement plan. While it is very doubtful that the disability plan will be offered to individuals in retirement plans other than TIAA, because of the low percentage of acceptance, it is still possible that the plan could be implemented if faculty/staff members with standing appointments who are members of TIAA retirement.

The enrollment period will be extended to June 15, 1983, so that those individuals with standing appointments who are members of TIAA retirement and have not returned their disability plan enrollment card may do so.

Also, it is possible for people in this category who previously declined participation in the coverage to now elect it. Enrollment cards may be obtained from the Employee Benefits Division.

Those individuals who have returned the enrollment cards and elected the coverage should be aware that the coverage has not yet been implemented for them.

Benefits available between appointments
Faculty or staff members on Fixed-Term 1 appointments may continue certain University benefit programs for the period between appointments, provided they have a firm commitment of re-employment on a Fixed-Term or Standing Appointment basis to begin within no

more than three months of the end of the last appointment.

A faculty or staff member may continue the benefit coverage by paying the full rates including the University and the faculty or staff member's share of the cost of the group life insurance and hospital/surgical/major medical, dental and vision coverage, and, if applicable, the voluntary accidental death and dismemberment insurance. However, after three years of continuous Fixed-Term 1 service (of nine months or more each year), and a commitment of re-employment for the next academic year, the benefits are provided at the regular rates (the amount that is normally deducted from the faculty or staff member's salary).

Any Fixed-Term 1 faculty or staff member interested in continuing benefit coverage (including dependent coverage) should contact his or her Personnel Representative or Business Manager to complete the necessary form for coverage. This must be completed prior to the expiration of the current Fixed-Term 1 appointment.

Questions regarding this program should be directed to the Employee Benefits Division (865-1473 or Network 475-1473).

Harassment on the basis of sex

The University is committed to a policy of nondiscrimination on the basis of sex in its educational programs and activities, and in the terms and conditions of employment. Harassment on the basis of sex by any University employee or agent is considered not only a violation of University policy, but also alleged sex

discrimination under federal and state civil rights employment rules and regulations.

Unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature constitute sexual harassment when:

1. submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment,
2. submission to or rejection of such conduct by an individual is used as the basis for employment decisions affecting such individual, or
3. such conduct has the purpose or effect of unreasonably interfering with an individual's work performance or creating an intimidating, hostile, or offensive working environment.

FACULTY AND STAFF MEMBERS: Any faculty or staff member who feels he/she has been harassed on the basis of sex may contact the Affirmative Action Office (863-0471).

STUDENTS: Unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature constitute sexual harassment where submission to or rejection of such conduct by a student is used as a basis for decisions affecting such student.

Alleged incidents of sexual harassment in which a student feels that he/she is a victim may be discussed informally and confidentially with a staff member (either a woman or a man) appointed by the vice president for student affairs in accordance with the student's wishes. If appropriate, the staff member will attempt to resolve the problem. If the matter is not resolved to the student's satisfaction, Procedures for Resolving Student Allegations of Discrimination, as outlined, may be invoked by the student.

Senate passes legislation, hears reports

(Continued from page 1)

Cahir as chairman and that the council will discuss the Summer Session in future meetings.

- Committee on Academic and Athletic Standards made an informational report on the implementation of Senate legislation on grade adjudication, which was passed last May.

- Committee on Undergraduate Instruction reported on graduate student teaching assistants two years after legislation was passed making program heads responsible for the quality of teaching the TAs provide and making TAs proficient in understanding and speaking English. The committee suggested that the vice president for undergraduate studies continue to monitor the TAs.

- Elections Commission reported on membership for 1983-84

- Nominating Committee presented nominations for the following offices:
Chairperson-elect: Herberta M. Lundegren, William H. Park, Robert G. Price.

Secretary: Jerry B. Covert, Robert J. Heinsch, Paul R. Shellenberger, Daniel Walden.

Faculty Advisory Committee: George W. Franz, Robert S. Friedman, Mary L. Romanec, Peter A. Thrower, Carl H. Wolgemuth, Cara-Lynne Schengrund.

Faculty Rights and Responsibilities: (faculty, University Park) Donald M. Crider, Sabih I. Hayek, Robert O'Connor, Richard W. St. Pierre; (faculty other than UP) Leonard J. Berkowitz, Alphonse E. Leure-duPree, P. Peter Rebane, Eugene R. Slaski; (deans) Theodore L. Gross, Robert Holmes, Harry Prystowsky, Samuel H.

Smith.

- Committee on Committees and Rules presented nominations for the Standing Joint Committee on Tenure: Robert Baisley, Arts and Architecture; Roland Good, Science; John Kolesar, Wilkes-Barre; Stanley P. Mayers, Human Development; Warren Morrill, Liberal Arts.

Nominations for the University Promotion and Tenure Review Committee: Michael Bengal, Liberal Arts; Yar Chomicky, Arts and Architecture; Joseph Conway, Engineering; Sabir Dahir, Capitol; Paul Games, Education; Luis Gonzalez-Cruz, New Kensington; Ernest Harrison, York; Vilma Hunt, Human Development; Thomas Merritt, Agriculture.

- Committee on Committees and Rules, selected by the Senate Council, consists of 10 elected Senators and five selected members. Those chosen to terms expiring

in 1984 are: Donald K. Alexander, Priscilla H. Allison, Louis P. Inerra, Arthur O. Lewis Jr., Herberta M. Lundegren. Those chosen to terms expiring in 1985 are: Herbert Cole Jr., E. Emory Ensore Jr., Evelyn A. Hovance, Valerie N. Stratton, Helen S. Wright.

- Forensic business session on the status and opportunities for female faculty at Penn State. William W. Asbury, affirmative action officer and assistant to the provost, spoke and answered questions from the Senators. See related story on page 3.

- Committee on Faculty Rights and Responsibilities reported it met nine times during the year; deliberated three cases of procedural unfairness in tenure review; and was unable to substantiate unfairness; resolved a grievance on violation of established procedure; declined to accept a case involved in legal action; and passed two motions.

News in Brief

Calendar information due

Information for the Intercom Summer Term Calendar should be turned in by Friday, June 3. Material can be sent to Calendar Editor, Room 301 Old Main, 865-2501.

Parking lot closed

The Brown F (HUB) parking lot will be closed to faculty, staff and visitor parking on Thursday, May 26, for the delegate election of Trustees. This is an annual event and faculty and staff members with Brown F parking stickers are to park in the nearby designated open parking lots.

Educational secretaries organize

The Penn State Chapter of the Pennsylvania Association of Educational Secretaries has been established at the University Park Campus.

The chapter held an organizational meeting on Wednesday, April 13. At the May 18 meeting, Dr. Doris Seward, executive assistant to the president, discussed "Being A Woman In A

Man's World."

The group's next meeting is scheduled for Wednesday, June 15. Information on the chapter may be obtained by contacting Laura Frye, 865-1789.

Oswald Scholarship established
A John W. and Rosanel O. Oswald Scholarship has been established to provide financial assistance to students enrolled in the College of Medicine.

Consideration for the scholarship will be given to any regularly enrolled fulltime medical student who has a demonstrated need for financial assistance. Selection of recipients for the scholarship will be by the assistant dean for student affairs in consultation with the dean of the College of Medicine.

Dr. Oswald also has been made an honorary member of the College of Medicine Alumni Association. He is only the second person in the history of the College to receive that honor. The first honorary member was Dr. George T. Harrell, vice president

emeritus for medical sciences, who was the founding dean of the College of Medicine.

Term break meal hours

Following are the term break meal hours for the HUB Eateries:

Monday through Friday: May 23 — May 27

Dough To Go: 7:30 a.m. — 11:30 a.m.

Greenhouse: 11:30 a.m. — 1:00 p.m.

Saturday, Sunday, and Monday:

May 28, 29, & 30 — CLOSED

Tuesday, May 31:

Dough To Go: 7:30 a.m. — 11:30 a.m.

Food For Thought: 11:30 a.m. — 1:15 p.m.

Wednesday through Friday: June 1 through June 3

Monday through Friday, June 6 — 10

Dough To Go: 7:30 a.m. — 11:30 a.m.

Food For Thought: 11:30 a.m. — 1:15 p.m.

Greenhouse: 11:30 a.m. — 1:00 p.m.

Saturday and Sunday: June 4 and 5

— CLOSED

June 11 and 12 — CLOSED

Basic Skills Conference

A Basic Skills Conference for University faculty and staff involved in teaching developmental skills will be held May 24 and 25 at the State College Holiday Inn. Representatives from each campus who teach composition, pre-calculus mathematics, reading, or study skills have been invited, as well as learning center staff or other individuals involved with students needing development of academic skills.

The conference, sponsored by the Developmental Year and the Basic Skills Programs, will provide a forum for exchange among faculty and staff.

Keynote speaker will be Moshe Rubinstein, professor of engineering systems at UCLA, who will speak on "Patterns of Problem Solving in the Age of Computers."

Planning the conference have been: Dave Bender, Berks Campus; Margaret Cote, Hazleton Campus; Kay Hudspeth, Anne Kepler and Michael Radis, University Park; Dick Reynolds, McKeesport Campus; Pat Rizzolo, Ogonz Campus, and C.R. Williams, Wilkes-Barre Campus.

University Park Calendar

May 19 — June 2 Special Events

- Sunday, May 22**
Sports: women's track and field, Lady Lion
Open, 12 p.m.
- Tuesday, May 24**
University Senate meeting, 1:10 p.m., 112 Kern.
- Thursday, May 26**
Board of Trustees meeting, Faculty Bldg.
- Friday, May 27**
Board of Trustees meeting, Faculty Bldg.
- Saturday, May 28**
Spring Commencement, 10:30 a.m., Beaver
Stadium.
- Tuesday, May 31**
Distribution of Faculty Studies, 7:15 a.m., C106
Pattie.

Exhibits

- Kern Gallery**
Scott Smith, prints, through May 20.
Carolyn Metcalf, drawings, through May 20.
Rosanne Dobash, Yvonne Gentzler, stichery,
through May 27.
- Museum of Art**
Museum Hours: 11 a.m.-4:30 p.m. Closed
Monday, Tours, Sundays, 1:30 p.m.
Indian Art from the Collections of the Herbert
F. Johnson Museum of Art, Cornell
University, and the Penn State Museum of
Art.
Richard Mayhew, recent paintings.
Gunnar Norman, recent drawings and
graphics.
- Pattie Library**
East Corridor Gallery: Gustav Mahler
Exhibition, prints from the Austrian
Institute.
- Visual Arts Bldg., Zoller Gallery**
MFA Exhibition: Walter Shroyer, ceramics;
Dinah Alderman, paintings.



Stephen Porter's "Nine Times."

Focus on the arts

Festival Theater

The Pennsylvania Festival Theater, located on the University Park Campus, will mark its 26th consecutive professional season this summer with four shows.

Starting off the season on June 16 and playing through July 3 in the Pavilion Theater is Neil Simon's human comedy *I Ought to be in Pictures*. The touching story revolves around a father and daughter who try to patch up their relationship after a sixteen-year separation.

The Boy Friend, a stylish and affectionate spoof about the Roaring '20s and written by Sandy Wilson, will run from June 23 until July 10 in the Playhouse Theater.

With songs such as "Won't You Charleston With Me?" and "It's Never Too Late to Fall in Love," *The Boy Friend* will delight the entire family with its lampoon of yesteryear's musical comedies.

The Dining Room, a recent play by A.R. Gurney, Jr., will be performed in the Pavilion Theater July 14-31. This poignant

and humorous play is set in a well-to-do household and contains numerous vignettes blending to create an in-depth portrait of the American upper-middle class family.

Closing the season will be the musical classic *Man of La Mancha* by Dale Wasserman, Mitch Leigh, and Joe Darion. This Tony Award-winning musical, playing from July 21 until August 7 in the Playhouse Theater, is the stirring tale of Don Quixote and his struggles in finding the "impossible dream." Returning to Festival this year to fill the title role will be Robert Trehy who portrayed Emile de Beque in last summer's Festival production of *South Pacific*.

Season subscriptions are now available for Festival '83. With the purchase of a subscription, the theatergoer is able to save 10 percent off the regular ticket price. Other discounts are available for students, senior citizens, and groups of 25 or more.

For additional information on the summer season, call the Festival Box

Office at (814) 865-1884 between 11:30 a.m. and 8:30 p.m. or write to: Tickets, Festival Theater, 137 Arts Building, University Park, PA 16802.

Sculpture installed

"Nine Times," a sculpture by Stephen Porter, associate professor of art, was installed last week on the back lawn of the Federal Reserve Board in Washington, D.C., for a one-year exhibition.

The sculpture, made of welded weathering steel, is composed of nine separate elements arranged in a grid. Each piece is unique and seemingly unrelated to the others, but together they form a cohesive whole and become one sculpture. They are 36" to 54" high and form a square 25 feet on a side.

The sculpture was made possible in part by a grant from the Central Fund for Research of the College of Arts and Architecture.

Other works by Stephen Porter include a recently completed commission for Rouse Associates in Landover, Md., as well as a painted steel sculpture for Beaver College.

Staff Development

Twenty clerical employees of the University have completed the Clerical Enrichment Program. Participating were: Tammi Adams, clerk, typist B, Personnel Administration; Deborah Barger, clerk C, receiving, University Libraries; Tina Bennett, secretary C, Human Development; Marcy Collett, clerk, typist A, Athletics; Donna Dietrich, clerk stenographer A, ROTC; Leslie Hoover, clerk A, service desk, Physical Plant; Megan Hutcheon, typist, PBX operator, Nittany Lion Inn.

Julie Johnson, clerk, typist B, Engineering; Cynthia Johnston, clerk, typist B, Safety; Marcella Lee, clerk, typist B, Safety; Deborah Lehman, clerk, typist B, Human Development; Donna McClain, secretary C, Housing and Food Services; Rita Morbeto, clerk, typist A, Personnel Administration; Joanne Morrison, clerk, typist B, Agriculture; Arlene Packer, secretary C, Human Development.

Theresa Peters, secretary C, Science; Kathryn Rudy, receptionist, clerk A, Housing and Food Services; Judy Spangler, clerk B, Business Services; Christine Thompson, clerk, typist B, Science; Wendy Franklin, clerk, typist B, Engineering.

Fifteen clerical employees of the University have completed an eight-week Writing Skills for Secretaries/Clerical Program.

Employees who completed the course during the Winter Term include: Shirley Bradford, secretary, Earth & Mineral

Sciences; Elena DeLuca, clerk, statistics A, Intercollegiate Research Programs; Regina Dubbs, clerk, typist A, Physical Plant; Julia Franklin, secretary B, Liberal Arts; Peggy Grove, clerk B, Continuing Education; Judy Hicks, clerk, typist A, Agriculture; Phyllis Hockenberry, secretary C, Human Development; Delorse Homan, secretary B, Human Development; Peggy Hoover, secretary C, Human Development; Rosemary Kasubik, senior clerk, University Libraries.

Judy Pressler, secretary B, Science; Kathy Rice, secretary C, Personnel Administration; Marian R. Smith, clerk, typist B, Agriculture; Miriam Smith, clerk, registration A, Continuing Education; Elizabeth Worman, clerk, typist B, Engineering.

A number of University employees have been presented "Safe Driving Awards" this spring. The awards go to drivers of commercial-type or other University fleet vehicles who have completed driver improvement training and have had one or more years of driving without a preventable accident.

Participants are assigned to one of four categories depending on how much time on the job is spent driving. The categories are: "I" — 76 to 100 percent; "II" — 51 to 75 percent; "III" — 26 to 50 percent; and "IV" — up to 25 percent.

University employees who have been honored are:

Physical Plant:
John Beschler, Earl Burd, Barry Crater,

Robert Dixon, Andy Felix Jr., James Friday, Dave Gifford, Richard Harris, Walter Johnson, H.M. Lane.

Carlton Lucas, David Martin, Jeffrey Monnell, Harry Peese, Margaret Simco, Leon Simpson, John Stoner, Elmer Swanger, Richard Way, Daniel Weaver.

General Stores:
Samuel Emigh, Ralph Fleming, Al Fogel, James Kurtz, Carl Wayne McCloskey, James Neff, Ruth Ann Rayhorn, Gary Reasick, Carl Smith, Alphonse Zimmerman, Mel Wert.

Mail Service: Nick Grossman.
Printing Service: Donald Vaughn.

Fleet Operations:
Ruth Carpenter, Pat Cionzynski, Bob Kestling, Coreen Lewis, Joe Pewanick, Jack Smith, David Snyder, Richard Snyder, Linda States, George Taylor.

Libraries:
Harry Knupp, Jim Petro, Elmer Reasick.

Engineering:
William Davy, Philip Meyer.

Fifty-eight University employees are graduates of the Computer Awareness Program. The following completed the course:

Blanche Barr, Admissions; Tammy Besecker, Engineering; William C. Bohm, Nittany Lion Inn; Balba Broidas, Liberal Arts; Debra Brown, Housing and Food Services; Betty J. Chamberlin, Northeast Watershed Research Center; Patricia Cochrane, Engineering; Ed DeBrasky, Physical Plant; Maxine Depew, Health, Physical Education and Recreation; John Dombroski, Housing and Food Services.

Mary Dunkle, Health, Physical Education and Recreation; Jeff Ertel, Physical Plant; Charles Fergus, President's

Office; Holly Fritchman, Intercollegiate Research Programs; Laura Frye, Business Administration; Gerald Garbrick, Physical Plant; Deb Gearhart, Admissions; Marie General, Engineering; Alvin Hall, Human Development; Rita Hammond.

Admissions; Lynn Harmon, Admissions.
Karen L. Harpster, Engineering; Barb Henderholt, Liberal Arts; Mary Hosband, Graduate School; Anne Jacobs, Health, Physical Education and Recreation; Nancy Kline, Admissions; Rita Kline, Liberal Arts; Ann Kochenberger, Graduate School; Margaret Kozak, Admissions; Audrey Knofsgren, Education; Joan LeBlanc, Admissions; Grace Lipiak, Admissions; Mary Long, Agriculture; Dot Lyons, Physical Plant; Sharon McClintic, Education.

Patricia McCure, Northeast Watershed Research Center; Carol Miller, Graduate School; Gale Miller, Agriculture; Cathi J. Moyer, Engineering; Diane Munson, Admissions; Lloyd Niemann, Physical Plant; Valerie Nisbet, Graduate School; Anna Peters, Business Administration; Holly Ping, Arts and Architecture; Rob Rager, Health, Physical Education and Recreation; Bob Reese, Housing and Food Services.

Dale Roth, Health, Physical Education and Recreation; Marjorie Rudy, Agriculture; Cheryl Sharpe, Liberal Arts; Patrick N. Smith, Admissions; Linda Stapley, Admissions; Janet Stiehler, Business Administration; Anne Stine, Library; Sherry Van Gorder, Engineering; Kim Watkins, Admissions; Lela Weaverling, Education; Patricia Williams, Human Development; Jacqueline Wolfe, Agriculture.

Appointments

Dr. Kathryn M. Grossman, associate professor of French and former acting assistant dean of Liberal Arts for the Commonwealth Educational System, has been appointed faculty associate in the Office of Foreign Studies.

In announcing the appointment, Dr. W. LaMarr Kopp said Dr. Grossman "enhances the Office of Foreign Studies and our programs overseas. Her international experience, international commitment and training in French bring a new dimension to the office. We're very pleased to have her join the staff."



Kathryn M. Grossman

Dr. Kopp is director of the Office of Foreign Studies and associate provost for international programs.

Dr. Grossman's responsibilities center on increasing Penn State's commitment to and involvement in international education. She believes that study abroad is an important means to achieving this goal.

"The Office of Foreign Studies serves the entire University community by helping our students internationalize their academic experience," she said.

"Penn State, as a land-grant institution, has many students who have not had opportunities to explore the world. One of my aims is to improve the visibility of Foreign Studies to all parts of the University, including the Commonwealth Campuses."

Dr. Grossman understands the value and importance of study abroad. She spent her junior year in Paris with L'Academie, while studying French (with

minors in philosophy and Russian) at Bryn Mawr College.

She is interested in letting students know that international study isn't just for language and literature majors.

"Many companies desperately need people who understand other cultures. Our national security depends on such expertise as well."

Dr. Grossman received her A.B. from Bryn Mawr and her Ph.D. in romance languages from Yale. Prior to joining the faculty at Beaver Campus in 1973, she was a visiting instructor at Hofstra University, a teaching assistant at Yale and a freshman counselor for women at Berkeley College, Yale.



Marsha C. Kyper

During the summer of 1979, she was a National Endowment for the Humanities fellow in the Department of English at the University of Colorado, Boulder. From 1982-83, she was acting assistant dean for the Commonwealth Educational System, College of the Liberal Arts.

She is an active member of the Modern Language Association, Northeast Modern Language Association, Pennsylvania Modern Language Association, American Association of Teachers of French, Society for Utopian Studies and American Council on the Teaching of Foreign Languages.

Marsha C. Kyper, assistant director of annual giving, in the Office of Gifts and Endowments, has been promoted to development officer.

Ms. Kyper's duties will be in the area of strengthening the relationship of the University with friends and potential donors. She also will develop and maintain a system of personal

acknowledgment of gifts to Penn State and a stewardship system to report to donors on how their gifts are used.

She will meet with special donors and prospects and will develop a system of visitation to the University, its colleges and/or its campuses. She also will be responsible for regular communications with donors and prospects, keeping them informed about areas of the University in which they have particular interests.

For the past year, Ms. Kyper has supervised development activities for Penn State in several ways. Her responsibilities included planning and coordinating fund raising phonathons, annual giving appeals to younger alumni, and the senior class gift program. She also coordinated several projects aimed at improving the utility of alumni records and initiated research efforts to examine the attitudes and opinions of students.

Ms. Kyper is a 1976 graduate of Slippery Rock State College with a bachelor's degree in resources management. She worked as a park ranger for the U.S. Army Corps of Engineers at Raystown Lake in Huntingdon County. She also worked for two years as assistant director of the Huntingdon Community Center.

She became an admissions counselor at Juniata College in Huntingdon in 1978 and was named assistant director of admissions at Juniata in 1980.

Dr. Michael T. Snider, associate professor of anesthesia and physiology in the College of Medicine, has been appointed chief of the Division of Respiratory and Intensive Care at the Hershey Medical Center.

Joining the division as assistant professor of anesthesia in the College of Medicine are Drs. Mitchell F. Keamy and W. Andrew Kofke, anesthesiologists and critical care specialists who presently are completing fellowships in intensive care medicine at the Massachusetts General Hospital and Harvard Medical School. Dr. Snider said he believes that the reorganization will provide additional skills to aid in the care of the critically ill patient.

"Although our major specific clinical (patient-care related) interests remain in respiratory care, we intend to become further involved in the multidisciplinary approach to critical care medicine. One of the new team's major focuses will be the diagnosis and treatment of acute lung injury cases. We will continue the use of advanced life support techniques such as the artificial lung and other mechanical ventilators."

Dr. Snider received Ph.D. and M.S. degrees from Emory University at Atlanta, Ga. Following research in artificial lungs at Brown University he held faculty appointments in the Department of Chemical Engineering at the Massachusetts Institute of Technology and in the Department of Anesthesia at the Massachusetts General Hospital and Harvard Medical School.

He is a member and associate examiner of the American Board of Anesthesiology and also serves on the Scientific Advisory Board of the Association of University Anesthetists. He has authored or co-authored over 80 articles and abstracts about the artificial lung and the mechanisms of lung injuries.

Dr. Keamy earned his B.S. degree in chemical engineering from Massachusetts Institute of Technology and received his M.D. degree from the University of Wisconsin Medical School in Madison. He then served an anesthesia residency with the University of Wisconsin Hospital before going on to his present fellowship appointment at Massachusetts General Hospital. His engineering experience includes consultant work with Allis Chalmers, Inc. at two different plant locations.

Dr. Kofke, a Pennsylvania native, received a B.S. degree from Bucknell University and his M.D. degree from the University of Pittsburgh. His residency training in anesthesia was completed at the Massachusetts General Hospital. His academic appointments have included assignments at Harvard Medical School since 1981.

Susan W. Breslin, has been named coordinator of hospital marketing at the Hershey Medical Center. She previously served as assistant director in the Office of Gifts and Endowments at the Medical Center.

Ms. Breslin will be responsible for maintaining communications with referring physicians, performing market analysis studies, evaluating programmatic needs, analyzing the need or use of hospital services, and assisting in the coordination of the development of promotional and informational publications.

She holds a B.S. degree in public relations from West Virginia University and has earned credits toward an M.P.A. degree at the Capitol Campus. Before coming to the Medical Center, she was an information/development officer at the West Virginia University Foundation, Inc. in Morgantown, West Virginia.

Penn Staters

Dr. Robert D. Arbuckle, New Kensington Campus executive officer, has been elected treasurer of the Southwestern Pennsylvania Higher Education Council. He is a past-president of the organization.

Dr. H.L. Barnes, professor of geochemistry and director of the Ore Deposits Research Section in the College of Earth and Mineral Sciences, is spending three months this spring at the Massachusetts Institute of Technology, serving as the William Otis Crosby Lecturer in the Department of Earth and Planetary Sciences. He is presenting a series of discussions on the mineralogic phase relations, thermodynamic methods, geothermal systems, geochemical data bases, and geologic field relations that provide the foundations for modern concepts of the origins of ore deposits.

Dr. Ernest H. Braue, head of the chemistry program at the Mont Alto Campus, is one of four chemists selected after a nationwide competition for a summer research associateship with the U.S. Army this summer. He will be assigned to the Medical

Research Institute of Chemical Defense, located in the Edgewood Area of the Aberdeen Proving Ground in Maryland.

Dr. Stephanie Doores, assistant professor of food science, has been appointed chairman of the Committee on Culture Collections for the American Society of Microbiology.

Dr. Robert T. Harell, vice president emeritus for medical sciences and founding dean of the College of Medicine, received an honorary doctor of science degree from Duke University at Duke's commencement ceremonies May 8.

Dr. Charles L. Hosler, dean of the College of Earth and Mineral Sciences, presented the keynote address, "The Future Role of Meteorological Satellites," at a workshop held in conjunction with the launch of a new weather satellite at Cape Canaveral, Fla. Theme of the workshop, cosponsored by the National Oceanic and Atmospheric Administration and Hughes Aircraft Company, was "Exploiting Metast Data for Public and Private Benefits."

Philip Klass, professor of English, will be the guest of honor at Westerncon, the annual western states' science fiction convention which is the largest national gathering of its kind, on the July 4th weekend in San Jose, Calif. Professor Klass will deliver the convention address and appear on several panels.

Dr. Patrick D. Lynch, professor of education, has been named vice-chairman of the National Institute of Education's Study Committee on Educational Policy and Organization.

Chauncey A. Morehouse, professor of physical education, has been awarded a 1983 Award of Merit from the American Society of Testing and Materials. The award, which carries with it the title of Fellow of the Society, recognizes distinguished service to the cause of voluntary leadership through work with ASTM and through scholarly research.

Dr. Harold W. Perkins, Berks Campus executive officer, has received the "John W. Oswald Award," a special speaker's award of the YMCA of

Reading and Berks County, for service to the Berks County community.

Mrs. Anna Peters, head secretary in the Department of Finance, has been honored by members of the newly formed Penn State Student Finance Honor Society. Mrs. Peters was presented with a plaque in appreciation of her work in helping with the organizational details of the society that recognizes and encourages outstanding scholarship in the field of finance.

Dr. Robert A. Schlegel, associate professor of microbiology, was one of 25 invited participants at a symposium on Cell Fusion in London, England. The symposium was sponsored by the Ciba Foundation, a scientific and educational charity established by CIBA-Geigy Limited Pharmaceuticals of Basle, Switzerland.

Stanley J. Shepherd, associate professor of physics, has been honored for his 12 years of service as permanent secretary of the Eastern Colleges Science Conference.

25-year service awards



Paul Barton



Leon P. Fetterolf



Ira B. McMaster

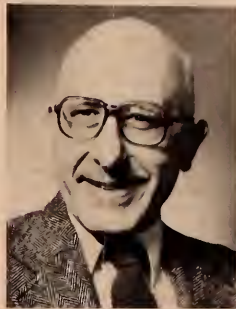


Kenneth M. Orndorf

Observing 25 years of service at the University are: Dr. Paul Barton, assistant professor of chemical engineering; Leon P. Fetterolf, electronics technician A, Aerospace Engineering Department; Ira B. McMaster, research assistant and deputy director, Breazeale Nuclear Reactor; Kenneth M. Orndorf, mechanic, experimental and maintenance, Industrial and Management Systems Engineering Department; Dale C. Raupach, reactor supervisor/reactor utilization specialist, Breazeale Nuclear Reactor; Dr. Alfred A. Triolo, associate professor of Spanish and Italian, and Wally F. Lester, assistant director of the Keller Conference Center.



Dale C. Raupach



Alfred A. Triolo



Wally F. Lester

Promotions

Staff Exempt

Ann L. Denson to research support assistant at Hershey.
David W. Doty to admissions and veterans affairs counselor at Capitol.
Josephine M. Eyer to administrative assistant at Behrend.
Elizabeth J. Longenecker to assistant manager, ambulatory services at Hershey.
Edward C. Rusbarsky to financial officer, Controller's Office, at Altoona.

Staff Non-Exempt

Lynne D. Whalen to research technician at Hershey.
Laurie E. Wiest to senior research technician at Hershey.

Clerical

Yvonne A. Hricak to secretary B at Hershey.

Technical Service

G. Charles Carey to maintenance worker general C at Berks.

Thomas D. Harris to mechanic, pumps in Physical Plant.

Paul A. Hironimus to heating and ventilation technician in Physical Plant.
Daniel Johnstonbaugh to power plant worker in Physical Plant.

Beverly J. Reese to food preparer B in Housing and Food Services.

Paul Stachowski to lead carpenter (field) in Physical Plant.

Timothy L. Wian to laundry operator/truck driver in Housing and Food Services.

Walter R. Wisor to maintenance worker-housing in Housing and Food Services.

Obituaries

James L. Flanagan Jr., security officer at the Beaver Campus since March 24, 1975, died May 4 at the age of 64.

M. Alvirna Kenstetter, food service worker in Housing and Food Services since May 11, 1970, died April 29. She was 58.

Elsie P. Fishbein, document assistant in Pattee Library from Jan. 10, 1949, until her retirement June 6, 1964, died April 29. She was 80.

Staff Development

Eighteen University employees have completed a course in Basic Supervisory Management. Completing the course were:

Ross Adams, assistant manager, SACD, Personnel Administration; Ruth Auman, assistant housekeeping supervisor, Housing and Food Services; Andy Bekes, janitor foreman, Physical Plant; Bob Bloom, maintenance inspector, structural, Physical Plant; George Field, supervisor, engineering machine shop, Engineering; Terry Brungart, foreman, PM & Central Control System, Physical Plant; Magdalene Foster, assistant dining hall supervisor, Housing and Food Services; William Jamieson, assistant dining hall supervisor, Housing and Food Services; Philip Keller, program supervisor, Stone Valley, Health, Physical Education and Recreation.

Robert A. Kessling, foreman, Fleet Operations, Physical Plant; Bob Long, foreman, central control system, Physical Plant; Kenneth Rudy, senior engineering aide, Engineering; Frank Sinclair, dining hall supervisor, Housing and Food Services; Elizabeth Stover, secretary A, Agriculture; Kathi Tibbot, senior clerk, Validation, Student Aid; Donald Wilkinson, foreman, airport operations and aircraft maintenance, Business Services; Gerald Wilson, assistant

housekeeping supervisor, Housing and Food Services; Harry Zimble, broadcast program specialist, Continuing Education.

Nineteen employees of the University are graduates of the Oral Communications/Talking With People course. Those completing the course were:

Kathy Bailey, accounting clerk, Science; Cynthia Brutzman, employment specialist, Personnel Administration; Jean Burfield, secretary B, Science; Dennis Craig, programmer/analyst A, Management Engineering; Irene Ferguson, secretary B, Liberal Arts; Connie Gearhart, accounting clerk, Liberal Arts; Karen Haldeman, secretary B, Alumni Association.
Sharon Hassinger, secretary B, Health, Physical Education and Recreation; Charlotte Hitchcock, graduation coordinator, Registrar's Office; Douglas Hitchcock, financial aid data coordinator, Student Aid; Barbara Homan, assistant housekeeping supervisor, Housing and Food Services; Clifford Isenberg, supervisor for vending and snack bars, Housing and Food Services.

Ruth Kilhofer, secretary A, Continuing Education; Sandy McBride, secretary A, Intercollege Research Programs; Diane Roan, secretary B, Liberal Arts; Henry Shade, janitor foreman, Physical Plant;

Nancy Swank, assistant housekeeping supervisor, Housing and Food Services; Gloria Walker, assistant dining hall supervisor, Housing and Food Services; Connie Whitehill, accounting clerk, University Libraries.

The EXCEL Program, a training and development program for senior, career-oriented personnel, is designed to enhance and improve the various relevant skills essential in the proper and effective performance of their jobs. University employees who completed the course work are:

Wendy Bathgate, secretary B, Intercollege Research Programs; Norma Beck, senior clerk, loans and grants, Student Administrative Services; Cindy Breen, senior clerk, scholarships and grants, Student Administrative Services; JoAnn Dreibeibis, secretary B, Intercollege Research Programs; Vicki Grier, secretary B, Library; Diana M. Kelly, accounting clerk, Science; Annabelle Persia, control clerk B, Graduate School; Susan Petto, secretary B, Library; Ruth Ann Petto, auditing assistant, Controller's Office; Elana M. Pyle, secretary B, Human Development; Lorraine Rogers, secretary A, Planning and Budget; Audrey Smith, secretary B, Graduate School; Toni Tibbens, purchasing clerk, Business Services; Jeannette Walther,

secretary B, Intercollege Research Programs; Kathy Zettle, secretary A, Agriculture.

Parting

Guy F. Auman, maintenance worker in Housing and Food Services, retired May 1 after 29 years of service.

He began at the University in 1953 and worked at Housing for 17 years. For the last seven years, he has been a maintenance worker with Housing and Food Services.

Mr. Auman lives in Aaronsburg, and has three brothers and two sisters who live in the area. His hobbies are hunting and fishing.

He described his years at the University as "wonderful. I enjoyed it," he said.

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William E. Campbell, Jr., Editor
Deborah A. Benedetti, Assistant Editor
Calendar Editor - 865-2501

University mathematician to be reunited with wife

Dr. Adrian Oaneanu's 21-month separation from his wife may soon be over.

The 27-year-old Romanian assistant professor of mathematics was granted permanent resident status in the United States in early May, clearing the way for his wife, Ileana, to join him at Penn State.

"The process has been unpredictable and the obstacles very difficult. Everything will be all right once my wife is here," he said.

For 21 months, the Oaneanus have waited while the U.S. and Romanian governments handled the complex and numerous procedures involved in granting them permission to emigrate to the United States.

"We knew we'd be separated," Dr. Oaneanu said. He and his wife, who married in 1979, discussed leaving Romania where a highly unstable situation existed for intellectuals.

"We expected problems to arise from the Romanian government, but we didn't expect to have equally serious problems from the U.S. government."

The problems began in August, 1981, after he was given permission to attend a mathematics conference in Warwick, England. He was able to attend, but his wife was not allowed to accompany him.

They decided he should begin to work toward his goal of emigrating while at the conference. Richard Herman, professor of mathematics at Penn State, who was attending the conference, helped.

But a mistake made at the U.S. Embassy in London created a "catch-22" situation for the Oaneanus that has prolonged the process. The embassy recommended he apply for a type of residency status that

he was not qualified for.

Later, with Penn State's help, he received a temporary visa issued to distinguished visiting professionals from immigration officials in Philadelphia. No Ph.D. programs had been available in Romania for the last three years, and he learned that he would need his Ph.D. before Penn State could apply for permanent resident status.

While waiting for the U.S. visa, he completed his doctorate at the University of Warwick. Penn State made Dr. Oaneanu a visiting professor and offered him a faculty appointment in March, 1982.

At the same time, his wife applied for permission to leave Romania. She received permission to leave Romania for the United States, but the United States said it would not grant her a visa until the long process of accepting her husband as a permanent resident is completed.

Ileana, who holds the Romanian equivalent of a master's degree in electrical engineering, was fired from her job at the central television broadcasting company in Bucharest. She lives with her parents and must renew her passport every two months.

The process has been frustrating and lengthy.

"There was hardly a week in the last year and a half without my department colleagues, professors Richard Herman and Joel Anderson, working on these problems. Help came from all over Penn State: from the language and political departments to the dean of science and President Oswald, as well as from many other people in the U.S. All this was of tremendous moral support to my wife and me."

He keeps in weekly contact with his wife and with the U.S. embassy in Bucharest to make sure there are no new problems.

"Things could have been worse," he said of the delays. "All this reminds me that in Eastern Europe they say that Kafka was quite a good writer, but somehow he had too little imagination," he concluded. The joking reference to the Austrian writer's tormented fiction was done with the feeling that by the time Dr. Oaneanu's wife would be here (which should happen this week), it would be time to look forward rather than back.

Recently, he was awarded a two-year postdoctoral research fellowship at the

University of California at Berkeley. He is the only mathematician to receive the Miller Institute fellowship, one of the most prestigious in the nation.

Dr. Oaneanu is a specialist in dynamical systems and operator algebras. "There are special sessions on these topics organized at Berkeley during the next two years, and most people working in these areas around the world will spend some time there. It would make research at Berkeley even more exciting," he said.

Before leaving for Berkeley in August, he will give two invited lectures at the University of California at Los Angeles in June.

— Deborah A. Benedetti



Adrian Oaneanu will be reunited with his wife Ileana (inset) this month, after a 21-month separation during which he applied for permanent residency status in the United States.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., May 26, 1983. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (FES-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap or age (as provided by law), sex, or status as a disabled or Vietnam era veteran.

Assistant Director of Undergraduate Admissions, Undergraduate Admissions, University Park — Responsible to an associate director of admissions within a major regional area as second in command of all admissions activities for the major region. Implement assigned admissions procedures and manage activities which relate to the particular region. Recommend changes to the associate director to meet changing needs within the region; implement policies and procedures as directed for the admission of undergraduate students to the University Park Campus and/or a group of assigned campuses. Bachelor's degree with two to three years of effective experience in admissions or related fields in education is required.

Administrative Aide, College of Engineering, University Park — Responsible for administration of department activities and coordination and supervision of office functions and related procedures. Write or assist in preparation of reports, brochures and questionnaires, faculty dossiers, awards, curriculum revisions. Write faculty meeting minutes, answer correspondence, prepare public release information. Assist in planning and coordinating meetings for visitors. Maintain surveillance of department funds, initiate action on budget and salary transfers. Associate degree or equivalent in a related field, with concentration in a written communication discipline and background in accounting. Administrative experience required. THIS IS A FIXED TERM POSITION FUNDED FROM MID OCTOBER 1983 TO MAY 31, 1984.

Admissions Coordinator, MBA Program, College of Business Administration, University Park — Responsible to the administrative director, MBA Program, for support functions related to admissions, recruiting, counseling, and related program areas. Master of business administration degree or equivalent plus up to 12 months' effective experience in admissions, student recruitment or related areas. FIXED TERM 1 POSITION. FUNDING BEYOND 6/30/84 LIKELY.

Senior Technical Specialist, Commonwealth Educational System, University Park — Responsible academically to Pennsylvania Transportation Institute to PENNTAP for administrative details, working with local, state and federal agencies to bring about technology transfer in road maintenance. MS degree or equivalent in engineering field or physical science plus over seven years experience in industrial setting. Experience in such areas as highway design, construction, maintenance activities, and highway materials plus Professional Engineering License desirable. THIS IS A CONTRACT POSITION FUNDED ANNUALLY.

Senior Development Officer, Office of Gifts and Endowments, University Park — Responsible to the vice president for development for raising funds from individuals who are alumni and friends of a college or campus. Initiate, cultivate and solicit individuals who are interested in program areas. Assist in identifying priority programs in need of private funding and the likelihood of receiving such support. Develop proposals which represent the activities of the college. Coordinate efforts with other senior development officers. Establish annual and long range fund-raising objectives. Solicit funds when necessary and coordinate all appeals being made. Develop volunteer fund-raising structure. Bachelor's degree or equivalent in psychology, marketing, communications or related field plus three to four years of effective experience in fund raising in a non-profit environment with evidence of skill in verbal and written communications.

Coordinator, Operations Control, College of Medicine, Hershey — Responsible to the director of the Medical Control Center to receive, review, maintain control on, set up input for and schedule jobs for data transcription and computer processing. Also review input to see that it meets job requirements, that control totals balance and that correct reports are distributed to users. Associate degree or equivalent training and one

to two years of effective experience. Bachelor's degree preferred.

Project Assistant, College of Engineering, University Park — Responsible for conduct of literature and library searches; collecting, tabulating, and organizing data; minicomputer processing and correlating of data; statistical and technical calculations and preparation of written reports. Master's degree or equivalent in chemical engineering or physical chemistry with at least one year of related work experience. THIS IS A FIXED TERM POSITION FUNDED FROM JUNE 1, 1983 TO JUNE 30, 1984 WITH POSSIBILITY OF REFUNDING.

Energy Education Specialist, College of Engineering, University Park — Duties for Continuing Education Program include researching topical areas, writing curriculum materials, delivering lectures (to include visual aids and experiments), and conducting evaluations on science and energy education topics. Position involves extensive travel throughout Pennsylvania. Bachelor's degree or equivalent in a physical science area and one to two years related experience and teaching experience required. FUNDED FROM JUNE 1, 1983 TO JUNE 30, 1984 WITH POSSIBILITY OF RENEWAL.

These are positions in certain work units that, because of the large number of such positions, frequently are still available after employees in the work unit have been considered. They are listed below and will not be listed on an individual vacancy basis. Application for such positions may be made at any time, and you are welcome to

make your interests known now to the Employment Division for future consideration when such vacancies occur. These positions are:

POSITION TITLE	LOCATION
Assistant Dining Hall Supervisors	Housing and Food Services
Computer Operators	Intercollege
Shifts: 6 a.m. to 4:30 p.m. 4:30 p.m. to 1 a.m. Midnight to 8 a.m.	Research Programs
Coordinator, Residence Hall Programs	Student Affairs
Programmers	Management Services
Research Aides	College of Agriculture
Cardiology Technicians	Hershey
Clinical Laboratory Assistants	Hershey
Clinical Laboratory Technologists (HEW)	Hershey
Clinical Nursing	Hershey
Specialist — Pulmonary Critical Care Monitoring Technicians (Jr. & Sr. Levels)	Hershey
Cyto-Technologists	Hershey
Licensed Practical Nurses	Hershey
Medical Technologists (CLIA, MLT, CLT, HEW)	Hershey
Nuclear Medical Technicians	Hershey
Perfusionists	Hershey
Pharmacists	Hershey
Physician's Assistants	Hershey
Psychiatric Assistants	Hershey
Radiology Technicians	Hershey
Research Technicians (Jr. & Sr. Levels)	Hershey
Respiratory Therapy Technicians	Hershey
Nurse Nurses	Hershey

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Seven elected to the Board of Trustees

Two new members have been elected and five incumbents re-elected to the Board of Trustees. All will serve three-year terms.

The new members are Nancy VanTries Kidd of Glendale, Ariz., a psychologist and family counselor, and Reno Thomas of Beavertown, an agriculturist and former State Representative. Dr. Kidd was elected by University alumni. Mr. Thomas was elected by county agricultural society delegates.

Alumni also re-elected two members of the Board. They are Walter J. Conti of Doylestown, owner of Conti's Cross Keys Inn and current board president, and Lawrence G. Foster of Westfield, N.J., vice president of public relations for Johnson & Johnson, the health care products company.

Agricultural society delegates re-elected the Honorable Roger A. Madigan of Towanda, State Representative in the General Assembly from the 110th District. Delegates from Pennsylvania industrial

societies re-elected two Trustees: H. Thomas Hallowell Jr. of Jenkintown, chairman of the board of STS Technologies, and an economist and inventor, and J. Lloyd Huck of Mt. Vernon, N.J., president and chief operations officer of Merck and Co., Inc., Rahway, N.J.

Dr. Kidd, a member of the Academy of Family Mediators, is a consultant to the Rhode Island and Pennsylvania departments of education, to corporations and to federal agencies.

She has had 11 years of faculty and administrative experience in higher education, having served at the Community College of Rhode Island, Providence College, the U.S. Naval Training Center and Rio Salado and Glendale colleges. This followed earlier careers in advertising and teaching in Philadelphia and State College.

Mr. Thomas represented Pennsylvania's 85th District in the General Assembly for

six terms, beginning in 1968. He chaired the House Agriculture Committee during 1979-80.

He is co-owner of Brooks End Farm in Snyder County, producing purebred Yorkshire and Landrace breeding swine. He has received numerous honors in agriculture, including the Pennsylvania Master Farmer Award.

Mr. Conti has been a member of the Board since 1974 and is currently in his second one-year term as president. He is past chairman of the Board of the National Restaurant Association and past president of the Pennsylvania Restaurant Association. He received the 1983 "Gold Plate" from the International Foods Service Manufacturer's Association in the full service restaurant division.

He serves on the Governor's Council on Physical Fitness and Sports and the Advisory Board of the Pennsylvania Institute of Sports Medicine and Athletic Trauma. He is president of the Keystone

State Games, Inc.

Mr. Foster began his professional career as a journalist, working as a reporter, bureau chief and night city editor for the Newark News. He joined Johnson and Johnson in 1957.

At Penn State, he is completing his third year as president of the Fund Council, a group of prominent alumni and friends who advise the University on its private fund-raising programs. He was president from 1973 to 1975 of the University's Alumni Association and in 1979 was named a Distinguished Alumnus of Penn State.

Mr. Madigan serves or has served on the House Agriculture, Ethics, Finance, Insurance and Labor Relations committees. He is chairman of the Joint State Government Commission, a research committee for the State Legislature. He has been a member of the General Assembly since 1976.

(Continued on page 3)

In desegregation dispute

University submits plan

As a result of a 13-year-old legal dispute between Pennsylvania and the federal government, 31 colleges, community colleges and universities must submit desegregation plans for their campuses to the state by May 31. Trustees have been told.

Dr. James B. Bartoo, dean of the graduate school, said that all state-related and state-owned institutions of higher education have been asked by the Pennsylvania Department of Education to prepare such plans. Penn State, he said, would meet the deadline.

"This stems from 1969 and 1970 actions by the U.S. Office of Civil Rights (OCR) and the NAACP Legal Defense Fund," Dr. Bartoo said.

In 1969, OCR said that 10 states, including Pennsylvania, were operating systems of higher education that were in violation of Title VI of the Civil Rights Act of 1964. Title VI is the clause stating that

no one shall be subjected, on the basis of race, color or religion, to discrimination in, or denied the benefits of, programs receiving federal funding.

OCR directed each of the states to draft plans to help them achieve compliance with Title VI. Several, including Pennsylvania, did so, but OCR found none of the plans to be totally acceptable.

In 1970, the NAACP Legal Defense Fund, on behalf of individual plaintiffs, filed a class action suit in federal district court. That suit sought to compel the U.S. Department of Health, Education and Welfare, in which OCR then was housed, to take enforcement action against states that it believed were not complying with Title VI. The court ruled that OCR must do so.

Following that ruling, Pennsylvania and seven other states prepared and submitted plans that were accepted by OCR in 1974.

(Continued on page 3)

Dr. Braund is recipient of Mitchell alumni service award

Dr. Darwin G. Braund of Syracuse, N.Y., director of dairy and livestock research and development for Agway, Inc., is the recipient of the third annual Philip Philip Mitchell Alumni Service Award.

The award goes to a University graduate who has made a significant contribution of talent, time and money on behalf of the University. It consists of a plaque and \$1,000 check to be given to a University project of the recipient's choosing.

It was established from funds contributed by Philip Philip Mitchell of State College, chairman of the board and retired president of Philip Philip Mitchell Advertising, Inc., of Atlanta.

This spring, Dr. Braund was named the 1983 distinguished alumnus in dairy science at Penn State.

A member of the College of Agricultural Alumni Society, Dr. Braund is serving his second three-year term on the Society's board of directors. He was active in gaining support for the Jerome K. Pasto

Agricultural Implement Museum at Penn State's Rock Springs Research Center.

(Continued on page 3)



Dr. Darwin G. Braund

'Significant improvement' in fund raising cited

The University is showing "significant improvement" in private fund-raising, members of the Board of Trustees have been told by Lawrence G. Foster, of Westfield, N.J., president of the Penn State Fund Council.

"Private fund-raising has become a major commitment throughout the University," said Mr. Foster, who is ending a three-year term as president of the Fund Council. "In the past three years (1980-82), we have increased our total private giving by 59 percent, from \$9.5 million to \$15.1 million annually."

"As of April 30 of this year, we have nearly equaled last fiscal year's record. More than \$14.8 million has been reported thus far."

Penn State's fiscal year ends June 30. Overall, dollars received in private gifts in the first ten months of this year represent a 17 percent increase over dollars received at the same time last year.

Mr. Foster also noted that the number

'The University must create sufficient financial resources to attract and retain the best and the brightest students and faculty members available. When this takes place, the academic climate improves appreciably.'

Excellent students inspire and delight the faculty, and excellent faculty members have the same effect on students.'

Lawrence G. Foster

of gifts to the University is up 38 percent in the last three years and 15,000 alumni gave to Penn State for the first time during that span.

At the same time that support for the University is increasing, the cost per dollar raised incurred by Penn State fund-raising efforts actually declined from 5.5 cents in 1979-80 to 5 cents in 1981-82.

"This progress is a tribute to our Fund Council and to our fine professional staff which has been reaching out under the capable leadership of Joseph J. Mansfield, vice president for development, who came on board just one year ago," Mr. Foster said.

He noted that the professional staff of the Office of Gifts and Endowments has increased from 10 to 18 in the past three years with two vacancies now in the process of being filled.

"In other words, we have doubled the size of the staff yet we have decreased the cost of a dollar raised."

Mr. Foster said that the 42-member Penn State Fund Council — a group of alumni and friends of the University that advises the University President on private fund-raising matters — has broadened its duties and increased fund-raising activities.

"In the three years during which I have

had the privilege to serve, and projecting through June 30 of this year, we will have increased private fund-raising by 100 percent," he noted.

Mr. Foster said the theme of the University's fund-raising efforts is to emphasize the excellence of a Penn State education.

"The University must create sufficient financial resources to attract and retain the best and the brightest students and faculty members available. When this takes place, the academic climate improves appreciably. Excellent students inspire and delight the faculty, and excellent faculty members have the same effect on students."

He called for greater efforts in the area of increasing private support among the University's individual colleges of enrollment and noted that the Office of Gifts and Endowments has added professional staff for that purpose.

(Continued on page 3)

From the Trustee Docket

Fund Council head

Edward R. Hintz, Jr., of Chatham, N.J., has been appointed president of the Penn State Fund Council by President Oswald.

The Penn State Fund Council, whose 42 members are prominent alumni and friends of the University, advises Penn State's president on private fund raising matters. It was established in 1974 by the Board of Trustees.

"Mr. Hintz has served effectively as vice president of the Penn State Fund

Council," Dr. Oswald said, "and has demonstrated many times his deep commitment to the University's private development efforts."

Mr. Hintz succeeds Lawrence G. Foster of Westfield, N.J., who has served as president of the Fund Council for the past three years.

A 1959 Penn State graduate, Mr. Hintz is president of Hintz and Holman, Inc., of New York City, a private investment advising firm. He was appointed to the Fund Council in 1981 and served first on

its Steering Committee and then as vice president. A Reading native, Mr. Hintz worked for the Aluminum Company of America after graduating from Penn State.

He earned a master's degree from the Harvard University Graduate School of Business in 1963 and then worked as a security analyst and later as a portfolio manager for Irwin Management Company, a private investing firm.

In 1966, he joined the firm of Donaldson, Lufkin and Jenrette, Inc. where he became vice president. From

1972-74, prior to becoming president of Hintz and Holman, he was associated with Morgens, Waterfall and Hintz, Inc., as a private investment manager.

In addition to serving Penn State on the Fund Council, Mr. Hintz has been active on the College of Business Administration Alumni Council and as a member of the Mount Nittany Society. He was named an Alumni Fellow of the University last year and serves on the Nittany Lion Club Advisory Council.

Mr. Hintz also served for two years as president of the board of education in Chatham Township, N.J., where he lives with his wife, Helen, a Penn State graduate.

Interim budget approved

Trustees have approved an interim maintenance and operating budget — continuing at the current level — for the fiscal year beginning July 1.

"It is necessary to have an approved fiscal operating plan by July 1," President Oswald said.

"Because the state appropriation for 1983-84 is still pending, it is recommended that no action be taken at this time on changes in tuition, salaries and wages, staff benefits or other necessary expense increases. A final budget will be submitted when the state appropriation is clarified."

The interim budget was approved at the level of the adjusted 1982-83 budget — approximately \$570 million for all divisions of the University, including the Milton S. Hershey Medical Center and all auxiliary enterprises.

Ag Arena plan

Trustees have approved a maximum spending plan of \$1,400,000 for construction of the Penn State Agricultural Arena.

"In January, the Trustees had approved a maximum of \$900,000 from private gifts and from University sources, including the College of Agriculture," said Steve A. Garban, senior vice president for finance and operations. "After 12 bidders

Capitol Campus building

Trustees have approved the awarding of contracts for construction of a Science and Technology Building at the Capitol Campus.

Final plans for the 20,000 square foot structure, by the architectural firm of Hayes, Large, Suckling and Fruth of Altoona and Harrisburg, were approved by the Trustees earlier this year.

"The building will serve a wide variety of purposes," says President Oswald, "and plans allow for future expansion."

It's designed to enhance the academic programs of Capitol Campus's Division of Science, Engineering and Technology. It also will enable Capitol to develop joint programs with other Penn State campuses such as nearby York Campus and the College of Medicine at Hershey.

"The Ben Franklin Partnership Advanced Technology Center will make

good use of the new building also," Dr. Oswald says.

The building will enable Capitol Campus to help provide support and trained personnel needed for the growth of business and industry in southeastern Pennsylvania. It will also allow the campus to offer a wider range of continuing education programs for the local region.

It will house labs for chemistry, physics, water resources, civil engineering materials and geology. It will contain faculty research areas, classrooms and an auditorium.

The Science and Technology Building is expected to cost approximately \$2 million. Around \$600,000 in private support has been raised already. Additional funds are expected from private gifts and from University sources.

Construction could begin by July 1, Dr. Oswald says.

responded with all bids exceeding the \$900,000 allocation, and all possible cost deductions were examined, the low bid for the proposed construction was \$1,200,000."

With architects' fees and expenses and landscaping, he added, total costs will amount to approximately \$1,400,000.

The arena will be used for resident instruction activities of the College of Agriculture, as well as providing a multi-

use facility for student activities such as dairy expositions, horse shows and the annual horticulture show. The general agricultural community of Pennsylvania also will be able to make use of the building.

More than \$900,000 has already been pledged for the arena, including a recent \$250,000 pledge from University Trustee Obie Snyder of Imler, chairman of the fund-raising campaign. Mr. Snyder has

Architect selected

The architectural firm of Benetac Associates of Harrisburg has been selected by the Board of Trustees to design an office building that will house the various divisions of the University's Office of Physical Plant in a central location on the University Park Campus.

"The building will be constructed near the Maintenance Building on the east side of campus," said Ralph E. Zilly, vice president for business. "It will centralize the Physical Plant office which is now located partly in Old Main and partly in the Maintenance Building."

The University's Architectural and Engineering Subcommittee considered bids to design the building and recommended to the Trustees that Benetac Associates be awarded the contract.

overseen an 18-member Ag Arena Campaign Committee of alumni and friends of the University.

Groundbreaking for the arena was last month. Construction should begin soon and is scheduled for completion next spring.

The arena will be located across from Beaver Stadium on Fox Hollow Road next to the Pennsylvania Department of Agriculture's Meat Animal Evaluation Center.

Computer report

Computers and other information technologies "will gradually transform the structure of education just as they are now transforming the structure of our society," Michael J. Streibel, assistant professor of education, has told Trustees.

Dr. Streibel said students in public grade school and high school are growing up in a new learning environment in which high-level skills are required to survive and prosper. Therefore, he said, Penn State is training its education majors in the skills of systematic thinking, problem-solving and ethical understanding — skills their students will need as they graduate to higher education.

"These have traditionally been acquired

through the liberal arts, so that now there needs to be a collaborative effort among the various faculties in achieving these goals," he said.

While public schools currently are "geared for a captive audience of students from kindergarten to 12th grade," Dr. Streibel said, increased computer technology could make schools resource centers for entire communities. Referring to the boom in home computers, he said, "Parents will want to know what they can do with the computers besides play games on them."

As public schools expand their computer systems, however, colleges and universities are having trouble finding enough faculty members to meet rising student enrollments in computer science

departments, Dr. Joseph M. Lambert, head of the Department of Computer Science, reminded the Trustees.

While the number of students in the computer science major at the University almost doubled in the last four years, the number of faculty members has remained about the same, he said.

Penn State is coping with the problem, however, by raising its entrance requirements for computer science majors, a move that may decrease the number of students in the program, Dr. Lambert said.

He noted that increasing numbers of computer science graduates are attracted to industry rather than academic positions, not only because of higher salaries but also because of better

equipment and facilities.

Penn State currently has 1,300 undergraduate students in computer science majors. In 1979, it had 700. Overall enrollment in all computer science courses has jumped from 6,000 to 10,000 since 1979.

Dr. Lambert cited national statistics that show that of 250 individuals who earn Ph.D. degrees annually in computer science, half enter industry jobs and the other half go into the academic environment. But for those 125 who join college or university staffs, he pointed out, another 125 leave academic positions yearly for industry posts, so the ratio of faculty members to students is not increasing.

Alumni Institute, class reunions scheduled

The University's class reunions and 33rd annual Alumni Institute will be held Thursday through Sunday, June 2-5. Most of the activities will take place in the Nittany Lion Inn and the Keller Conference Center on the University Park Campus.

The topics and speakers for this year's Alumni Institute follow:

At 10 a.m. June 3 in the Keller Conference Center Auditorium:
— "20th Century Health Care — Boon or Blight?" a panel discussion by moderator Dr. John Burnside, professor of medicine, chairman of Internal Medicine, associate provost and dean for Health Affairs, College of Medicine; and panelists Dr. David B. Geselowitz, professor and chairman of bioengineering; and Dr.

Arthur B. Zucker, assistant professor of humanities, College of Medicine.

At 1:45 p.m. June 3 in the Keller Conference Center:

— "The Care and Feeding of Future Americans" by Dr. Gene M. Love, associate dean and professor of agricultural education.

Tennessee Williams: Portrait of the Artist" by Dr. Nancy M. Tischler, professor of English and Humanities.
— "The Art of the Soviet Union" by Lorraine T. Kapitantonoff, assistant professor of Slavic languages.

— "Joyful Retirement" by T. Reed Ferguson, retired Penn State vice president for administration; Ross B. Lehman, executive director emeritus of the Alumni Association; Margaret Matson,

professor emerita of sociology and social welfare; and Leslie L. Montz, retired Ogontz Campus public information specialist.

— "Why People Love Chocolate" by Philip G. Keeney, professor of food science.

— Hands-on computer experience with Dr. Tom Barone, senior technical specialist, who will talk about and demonstrate what micro-processors can do.

At 3:30 p.m. June 3 in the Keller Conference Center:

— Hands-on computer experience with Dr. Barone.

— "Drug and Alcohol Abuse — A Multi-Generational Problem" by Dr. Judy Vicary, post-doctoral research fellow,

National Institute on Drug Abuse.

— "The Robot Revolution" by Dr. Paul H. Cohen, assistant professor of industrial engineering.

— "Do It Yourself — Exercise!" by Dr. Karl G. Stoeckel, professor of physical education.

— "So You Think Baseball Cards Are For Kids?" by Dr. Murry R. Nelson, associate professor of education.

— "The Dynamics of Estate Planning" by F. Carter Birely, assistant vice president, Mellon Bank Trust and Investment Department.

The panel discussions and lectures are free and open to the public, space permitting. For more information, contact Heather R. Gilbert at (814) 865-6516.

Board of Trustees

(Continued from page 1)

An insurance consultant with the Tuscarora-Wayne Mutual Insurance Company, he serves on the board of directors of the First Bank of Troy. He also operates a 260-acre beef farm near Towanda.

Mr. Hollowell began his career with Standard Pressed Steel Company as a machine operator. He was president of the firm from 1951-1963 and president and chairman of the board from 1963-1971. He has been chairman of the Board since 1971.

He has served on the boards of many firms and organizations, including Philadelphia Chamber of Commerce, East Pennsylvania Railroad Co., Philadelphia National Bank, Pennsylvania Manufacturers Association and Franklin Institute.

Mr. Huck joined Merck and Company's Merck Sharp and Dohm Division in 1958 as director of marketing. He moved through successive promotions to become president of that division in 1973. In 1975 he was elected senior vice president of Merck and Co., Inc., and in 1977, executive vice president. He was promoted to his present post in 1978.

He is a former director of the American Marketing Association and Pennsylvanians for Effective Government. He is a former trustee of the American Management Association.

The Board of Trustees has nine members elected by alumni, 12 elected by delegates of the agricultural and industrial societies and six appointed by the governor. All serve three-year terms. In addition, there are five ex-officio members: the governor, the president of

the University, the secretary of education, the secretary of agriculture and the secretary of environmental resources.

Desegregation plan

(Continued from page 1)

A supplement to Pennsylvania's plan was submitted in 1978.

Later, however, questions were raised about those plans and in 1981 OCR notified Governor Dick Thornburgh that the 1974 plan did not comply with Title VI. One specific inadequacy, OCR said, was that the plan covered only the 14 state-owned colleges and universities. It did not include the state-related universities and the community colleges.

In February 1983, Dr. Bartoo said, state education officials submitted a revised plan for the state college system. This new plan addressed specifically the concerns expressed by OCR regarding Cheyney State College.

"In part, OCR has been concerned that the state has not given adequate financial support to Cheyney State College," Dr. Bartoo said. "There is a feeling at OCR that Pennsylvania has, in essence, maintained separate but inferior institutions for black students by failing to fund programs and projects at Cheyney."

In March, U.S. District Court Judge John Pratt ruled that 13 states, including Pennsylvania, must have new desegregation plans approved by OCR by July or be subject to enforcement proceedings. For Pennsylvania, those plans must include the state-related institutions and community colleges. Initiation of enforcement proceedings by OCR against the state could mean a loss of several million dollars a year in federal higher education funds for Penn State

alone.

"As a result, each institution in the state has been asked to prepare its own plan and submit it to the state by May 31," Dr. Bartoo said. He is chairman of the committee asked by President Oswald to write Penn State's report.

All 31 institutions have been asked to submit their plans to the state by May 31, he said. The Department of Education then will return them, with suggestions, by June 6.

Final desegregation plans from the institutions must be submitted to the Department by July 1. The Department, in turn, must submit its statewide plan to OCR by July 15. The deadline for OCR's approval of the plan is July 22.

Mitchell award

(Continued from page 1)

More recently, he was appointed a member of the Penn State Ag Arena Committee, and he has been active in providing lay leadership in fund-raising for that project.

Dr. Braund is a 27-year-member of the American Dairy Science Association and serves on the editorial board of the Journal of Dairy Science. He assisted in developing and organizing the national meeting of the American Dairy Science Association hosted by Penn State in 1982. He has held numerous committee assignments and chairmanships in ADSA, and is currently chairman of the program committee for the 1982 ADSA annual meeting.

After graduating from Penn State, Dr. Braund worked for two years on the University's Dairy Science Extension faculty, conducting educational programs throughout Pennsylvania. He later worked

as a dairy specialist and assistant director of research for Beacon Feeds of Cayuga, N.Y.

He earned a Ph.D. at the University of Wisconsin and then went to the University of Kentucky as head of Dairy Science Extension, a position he held until he joined Agway.

The 1982 recipient of the Mitchell Award was Harold C. O'Connor of State College, a 1952 Penn State graduate in physics and president of CHEMCTU Corporation in State College. The 1981 recipient was the late H. Leigh Woehling, vice president of International Salt Company, Clarks Summit. Mr. Woehling earned a bachelor's degree in animal industry at Penn State in 1947 and a master's degree in the same field two years later.

Fund raising

(Continued from page 1)

"All of this comes at a time when the University is beset with declining levels of state support — now only about 25 percent of Penn State's operating budget," he added. "We must rely on more private gift support to enhance our academic climate."

"Let's make 1983 a year to remember at Penn State," Mr. Foster urged the Trustees, "a championship year both in athletics and academics. Penn State is one of the great public universities of the nation, but to maintain its status we urgently need new funding from private sources."

Mr. Foster, a member of the University's Class of 1948, is corporate vice president of public relations and an officer of Johnson and Johnson, the worldwide health care company headquartered in New Brunswick, N.J.

University will share in black lung grant

The University and West Virginia University will share in a grant for approximately \$1.75 million from the U.S. Bureau of Mines to establish a research center to investigate the black lung problem as well as other respirable dust diseases associated with mining.

Also participating in the center's work will be researchers at the University of Minnesota and the Massachusetts Institute of Technology.

"Many hard-working people are responsible for the establishment of this urgently needed center," President Oswald said. "Pennsylvania Congressmen John Murtha and Joseph McDade, along with William Clinger and Senator Arlen

Specter were instrumental in their efforts. West Virginia Senator Robert Byrd played a key role as well."

"The research performed through this new center is aimed at solving a tragedy that miners have endured since ancient times," Dr. Oswald said.

"The black lung and respirable dust disease problem can only be measured in human terms. The approximately \$1.75 billion spent annually in black lung benefits is an insufficient attempt to put an economic cost on a human tragedy that affects approximately 500,000 miners and dependents."

The newly established Generic Mineral Technology Center is the result of a joint

proposal to the U.S. Bureau of Mines by the Mining and Mineral Resources Research Institutes at Penn State and West Virginia.

Robert L. Frantz, professor of mining engineering and head of the Department of Mineral Engineering, is co-director of the Center. Dr. Raja V. Ramani, professor of mining engineering and chairman of the Mineral Engineering Management Section, is the other co-director.

Five areas of research are envisioned for the center:

- Control of dust generation; dilution, dispersion, and collection of dust in mine airways; characterization of dust particles; interaction of dust and lungs; the

relationship of mine environment, geology and seam characteristics to the generation of dust and dust mobility.

"Thirteen projects are planned at this time," Professor Frantz adds. "The center's work will begin in the fall."

Existing faculty and facilities at the participating universities will be used to staff and house the center. The College of Medicine at Hershey and West Virginia's Medical Center will be involved, Frantz says.

"The center will be geographically dispersed between Penn State and West Virginia," he notes. "Its activities will be directed by an advisory board consisting of representatives from participating institutions, the U.S. Bureau of Mines, industry experts, outside land and dust experts, and the United Mine Workers."

News in Brief

Credit Union loan sale

The Penn State Federal Credit Union is conducting a "loan sale" until June 30.

During this sale, loans for cars and home repair will be written at 11.5% APR.

The following rules and regulations are in effect during loan sale:

1. Loans will be funded by a pool. When funds are loaned out — the loan sale is over.
2. Loans are made on a first come first serve basis. Money must be picked up within 30 days of approval.
3. All loans at the 11.5% rate must be "new" loans. Rate will not apply to re-written loans.
4. All other current loan rates and requirements will remain in effect.
5. Loans are covered by life and permanent disability insurance.

For additional information on this loan sale, call the Credit Union at 863-0265 (433-0265 network) between 10 a.m. and 3:30 p.m. Monday through Friday.

Campus administrators conference
The 13th National Conference of

Regional Campus Administrators will

be held Sunday, June 12, through Wednesday, June 15, at the University Park Campus.

Provost Eddy will give the keynote address at the 7 p.m. banquet Sunday, June 12, at the Nittany Lion Inn.

Other University staff members who will make presentations at the conference include J. Gary Augustson, director of computer and information systems and special assistant to the president; Carol A. Cartwright, associate dean for academic affairs; Commonwealth Educational System; Kenneth L. Holderman, vice president emeritus for Commonwealth Campuses; John V. Cooney, Allentown Campus executive officer.

Robert J. Scannell, vice president and dean, Commonwealth Educational System, is chairman of the conference planning committee. Members include Irvin H. Koche, assistant vice president for administration, and John Leathers, assistant to the vice president and dean, Commonwealth Educational System.

HUB Eateries meal hours

Following are the Summer Term meal hours at the HUB Eateries.

Monday, June 13 and Tuesday, June 14:

Dough To Go: 7:30 a.m. - 11:30 a.m.
Food For Thought: 11:30 a.m. - 1:15 p.m.
Greenhouse: 11:00 a.m. - 1:30 p.m.

Wednesday, June 15: Start of Regular Meal Hours (Monday - Fridays)

Dough To Go: 7:30 a.m. - 11:30 a.m.
Fast Break: 7:15 a.m. - 9:45 a.m.

10:30 a.m. - 2:30 p.m.
Food For Thought: 11:30 a.m. - 1:15 p.m.

5:00 p.m. - 6:30 p.m.
(Monday - Thursday only)

Greenhouse: 11:30 a.m. - 1:30 p.m.
Founder's Room: 11:30 a.m. - 1:30 p.m.

Publications data due

Those who wish their publications and professional activities listed in the University's annual bibliographies should send this information to their department heads, research deans, or intercollege research unit directors.

Instructions for these listings were given in a May 1 memo from Dr. R.G. Cunningham, vice president for research and graduate studies. Copies of this memo are available from department heads, research deans, or 207 Old Main.

Commonwealth Campus faculty should send their listings to the

department head at University Park, with a copy to their Campus director and Commonwealth Campus dean.

Individual listings should reach departmental offices in sufficient time to be sent to Dr. Cunningham's office before July 31.

Summer sailing programs

Two summer sailing programs are being offered at Stone Valley Recreation Area.

The American Red Cross Basic Sailing course will be offered from June 12 to July 31, excluding July 3. Two sections of youth sailing lessons will be offered from June 12 to 23 and July 11 to 21.

Information on registration, times and fees may be obtained at 267 Recreation Building, phone 863-0762.

FFA Activities Week

Some 1,700 rural youth of Pennsylvania will take part in the annual FFA Activities Week June 14 to 16 at the University Park Campus. This year's theme will be, "Educating through Experience."

Highlighting the annual event will be 24 state FFA contests with members demonstrating their agricultural skills and abilities.

Senate passes recommendations at year-end meeting

The University Faculty Senate passed four recommendations and postponed indefinitely one recommendation during its last meeting of the academic year on May 24.

The Senate passed recommendations by the Committee on Academic and Physical Planning on buildings, renovations and maintenance; by the Committee on Admissions, Records and Scheduling on Senate Policy 51-50, cumulative grade-point average; by the Committee on Faculty Affairs on the presidential search process, and by the Committee on Student Affairs, Awards and Scholarships on undergraduate scholarships and awards.

The Committee on Undergraduate Instruction's recommendation to do away with the pass/fail grading system was postponed indefinitely in order to give students more time to comment.

Donald C. Rung, chairperson of the Committee on Academic and Physical Planning, introduced three recommendations which were voted on separately and passed. The first suggested that the University Administration increase the funding provided for deferred maintenance until it reaches the 1.1 percent of replacement cost recognized by many as a desirable level of funding.

The committee recommended that no new facilities be built or accepted by the University until funds are budgeted to assure that adequate maintenance needs of the new facilities are met. The committee also asked that the Senate act as an advisory and consultative body on annual capital budget requests to either the director of the Office of Planning and Budget or the senior vice president for finance and operations.

"We neglect the physical plant of the University at our peril," Dr. Rung said. Conservative estimates show that at least \$10 million is needed for maintenance and improvement to maintain the plant, he added.

President Oswald thanked the Senate for becoming more active in this area. "One of the most difficult tasks ahead is the reallocation of space," he said. If the University is not successful in obtaining funds for new buildings or renovations, faculty input will be needed in making reallocation decisions.

The Committee on Admissions, Records and Scheduling introduced five changes to Senate Policy 51-50 on cumulative grade-point average to bring the policy in line with the new semester calendar. They

were voted on as a unit and passed.

"The recommendations were written for the vast majority of students," Chairperson Janet Atwood said. Exceptions will go before the committee for resolution.

The Committee on Faculty Affairs' resolution concerning the presidential search process was passed. The Committee also asked that its resolution be given to the Board of Trustees.

The resolution states: It is the sense of the Senate that in future presidential searches the University community should, through a University Presidential Search Committee, play an active role throughout the process, as follows:

1. The Presidential Search Committee for the University will be composed of members representing the University administration, faculty and student body.
2. The Search Committee will serve as a consulting body in all phases of the presidential search.
3. The Search Committee or its selected representatives will participate fully in the determination of candidates to be interviewed and in the interviews of those candidates.

4. Prior to the final selection of the new president by the Board of Trustees the Committee or its selected representatives shall have the opportunity to offer its recommendations concerning its evaluation of final candidates.

The Senate Committee on Student Affairs, Awards and Scholarships' four recommendations on undergraduate scholarships and awards were voted on separately and passed. The Committee asked that the number of freshman scholarships be doubled by 1986 and urged that meritorious scholarship be a sole criterion for use of unrestricted scholarship funds.

Most of the 547 scholarships now administered by the University are restricted. Twenty-one of the 25 scholarships administered by the Senate are restricted, Chairman Robert C. Baldwin said.

The Committee recommended the institution of a Freshman Excellence Award Program to encourage the active recruitment of more qualified freshmen. The objectives are to actively recruit these freshmen and make the most efficient use of scholarship funds.

Exceptionally high standards of eligibility should be set by a joint faculty-administrative committee to insure an increase in the size of the group of

superior students and limit the number and size of the awards made. Students receiving an Excellence Award should also be offered membership in the University Scholars Program.

Each college would be encouraged to recruit students. In addition, consolidation of existing funds should be considered, the Committee said. To administer the Freshman Excellence Awards, a committee should be formed to replace the existing Freshman Scholarship Committee.

It would consist of two faculty members from the Senate Committee on Student Affairs, Awards and Scholarships, the director of the University Scholars Program and a representative from each of the following: Office of the Dean of Admissions, Office of Student Aid, Office of Gifts and Endowments, Office of Student Affairs and the Alumni Office.

Recommendation three dealt with the scholarship selection process. The Committee said faculty should be involved in the selection and that the selection process should be made as close as possible to the academic unit to which the student belongs.

The final recommendation was that a high priority be given to establishing a computerized, interactive system of data management of the scholarship and awards records in the Office of Student Aid.

The Committee on Undergraduate Instruction recommended that the Academic Policies and Procedures for Undergraduate Students be amended to delete policies 49-60 and 49-80 and that any other policy referring to pass/fail grading be amended as well.

A student Senator made a motion to postpone indefinitely the legislation. Senators debated the issue and voted to postpone to give students time next fall to consider the option.

Drew Hyman, chairman of the Pass/Fail Subcommittee, said that only about one percent of all grades given per year are under the pass/fail option. Restrictions for use of pass/fail have increased for courses under the semester system, thus restricting even more the availability of the option.

In other action:

- The following were elected to office: Chairperson-elect: Herberta M. Langenhorst.

- Secretary of the Senate: Paul R. Shellenberger.

- Faculty Advisory Committee: Carolyn Schengrund.

Faculty Rights and Responsibilities Committee: (faculty, University Park) Donald M. Crider and Richard W. St. Pierre (alternate); (faculty, other than UP) Eugene R. Slaski; (deans) Samuel H. Smith and Theodore L. Gross (alternate).

Standing Joint Committee on Tenure: John Kolesar, Wilkes-Barre Campus, and Stanley P. Mayers, Human Development (alternate).

University Promotion and Tenure Review Committee: Joseph Conway, Engineering; Ernest Harrison, York Campus; Valma Hunt, Human Development; and Thomas Merritt, Agriculture.

● Dean James Bartoo reported that the Calendar Conversion Council's Advisory Implementation Summer Committee met with Dr. Nancy M. Tischler. He said a decision about a one-time fall commencement would be made after intent-to-graduate cards are filed.

● Year-end reports were presented by the following committees: Academic and Athletic Standards; Academic and Physical Planning; Admissions, Records and Scheduling; Committees and Rules; Computer and Information Services; Curricular Affairs; Libraries; and Undergraduate Instruction.

● Informational reports were presented by the following committees: Academic and Athletic Standards, annual report on NCAA representative; Libraries, state of PSU libraries—five-year companions; Research, patent policies compared for PSU and 12 other universities.

Student Affairs, Awards and Scholarships, report on 25 scholarships the Committee administers (1982-83, '83-84); and Undergraduate Instruction, academic integrity, graduated grade system and general education.

● Two oral informational reports were made by Frederick W. Lampe, co-chairman of the Joint Commission on Position Evaluation, and Irwin Feller of the Provost's Advisory Committee on Planning and Budget.

● The McKeesport Campus representatives to the Senate are to be recalled. All faculty members on committees authorized by the McKeesport Campus Senate are to be recalled, and the McKeesport Campus Senate is to be dissolved. The motion is to protest the recent notices by the University of the dismissal of two faculty members.

● Senate Chairman Joseph Dixon stepped down and Peter D. Bennett became the chairman of the Senate.

Appointments

Dr. Jerry C. Olson, associate professor of marketing, has been named The Charles and Lillian Binder Fellow in the College of Business Administration.

Dr. Olson is the first recipient of the fellowship, established in the fall of 1982 by the estate of Lillian E. Binder. Its purpose is to provide supplemental funds to an outstanding member of the College of Business Administration faculty to enable continuation of professional contributions in lecturing, research and public service.

Dr. Olson, a University faculty member since 1971, will receive an annual grant of \$10,000 during his three-year period as Binder Faculty Fellow.

He is a member of the American Psychological Association, American Marketing Association, and Association for Consumer Research. At the University, he has developed the Marketing 122 (Marketing Management), Marketing 198-A (Consumerism and Marketing Management) and Marketing 230 (Buyer Behavior) courses.

"It is clear from the comments of his colleagues that he is most deserving of this recognition," President Oswald said in a statement announcing the fellowship award.

Dr. Olson, a specialist in consumer behavior, is currently conducting research in applied human cognition.

"Much of my work has focused on the measurement of memory and knowledge, and how they are used in cognitive tasks, such as purchase behavior, or comprehension of advertising messages."

"The applied cognitive approach is becoming the dominant approach in consumer behavior research. Researchers are now developing a different perspective on consumers: They are not passive recipients of information, but very active in processing information."

He also is pursuing related research programs in the measurement of advertising effectiveness, consumer attitudes and beliefs, psychophysiology and its relations to advertising responses, and the philosophy and sociology of science.

Dr. David L. Passmore, associate professor of vocational education, has been appointed director of the Office for the Protection of Human Subjects. He succeeds Dr. Robert E. Shute, who will return to his full-time position as associate professor of health education.

As director of the Human Subjects Office, Dr. Passmore will report to the vice president for research and graduate studies. He will develop, recommend and

implement policy and procedures for the protection of human subjects in research.

The Human Subjects office is located in 312 Willard Bldg.; phone 865-1775.

J. James Wager, has been named director of registration and scheduling in the Office of the University Registrar. He previously served as a senior systems analyst in Management Services.

His new duties include the coordination and supervision of all areas of building the University Park Schedule of Classes, the Final Exam Schedule, the publishing of the University Calendar, as well as coordinating all activities in the registration of all students of all University locations.

Mr. Wager received his B.S. in management in 1971 and his master of public administration degree in 1976, both from the University.

After more than 20 years of service as head of the Department of Architectural Engineering, Gifford H. Albright will resume full-time teaching and research activities on July 1.

Prof. Albright was named the first head of architectural engineering when it was formed as a separate department in the College of Engineering in 1962. Under his guidance, the department has expanded steadily and is now consistently ranked

first among architectural engineering departments in the United States.

In resuming his teaching and research duties, Prof. Albright will develop efforts in the building sciences division of the architectural engineering department. He is nationally recognized for his diverse architectural and engineering experience involving structures, computer-aided design, environmental systems, construction and building management.

Howard Kingsbury will serve as acting department head of architectural engineering until a permanent replacement is named.

Carpooler

Brenda Hamelster wants to share the driving from the Linden Hall area to the University. She works from 8 a.m. to 5 p.m. in Boucke Building and can be reached at either 863-2020 or 466-7292.

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William E. Campbell, Jr., Editor
Deborah A. Benedetti, Assistant Editor
Calendar Editor—865-2501

Promotions

Staff Exempt

Sylvia M. Arlotta to section supervisor, clinical laboratories at Hershey.
 Barbara A. Arvey to assistant patient unit coordinator at Hershey.
 Linda R. Cranston to clinic supervisor at Hershey.
 Linda W. Duncan to clinic supervisor at Hershey.
 Reginald Kuntz to janitor foreman in Physical Plant.
 Marscha C. Kyper to development officer in Gifts and Endowments.
 Joyce B. Mayer to assistant extension agent in Agriculture.
 Linda M. Peirce to clinic supervisor at Hershey.
 Patricia A. Pichini to supervisor, computer center operations at Hershey.

Staff Non-Exempt

Rosanne M. Pogash to research technician

at Hershey.

Clerical

Tammy D. Besecker to secretary A in Engineering.
 Mary T. Brill to secretary, gifts and endowments at Hershey.
 Cindy L. Capparella to receptionist, clerk A in Housing and Food Services.
 Patricia Cochrane to secretary A in Engineering.
 Rebecca L. Gappa to secretary C in Education.
 Cynthia B. Schwartz to secretary A in Engineering.

Technical Service

Paul Bright to research machinist in Engineering.
 Robert W. Irvin to food preparer A in Housing and Food Services.
 Jay Kramer to preventive maintenance worker (elevator) in Physical Plant.

A graduate of Cornell University in home economics, she received her M.S. degree from Columbia University. She joined the Penn State faculty as assistant professor of home economics in 1922 after serving on the faculty at Stamford Seminary and Middleburg College.

She was promoted to associate professor in 1925 and to professor in 1929. She served as head of the Department of Home Economics from 1949 until her retirement July 1, 1952.

Miss Graham was a member of the American Home Economics Association, Pennsylvania State Education Association, National Education Association, American Association of University Women, and American Association of University Professors.

Frances I. Myers, woman in Housing and Food Services from Jan. 1, 1950, to June 2, 1960, died May 9 at the age of 87.

Partings

June M. Gradišek, library assistant, Beaver Campus, from April 1, 1968, to

Faculty/Staff Alerts

Research staff pool

The University annually receives grants for projects designed to fulfill specific research responsibilities.

Often the research grant or project is of relatively short or temporary duration. In most instances, University project administrators must react quickly in making selections of support staff personnel for their projects. Therefore, it is desirable to have an available pool of faculty and staff members who are interested in applying for such research support staff positions.

This announcement is made so that qualified individuals may make their interests known. The types of temporary research support staff positions typically available are Senior Project Associate, Project Associate, Project Assistant, Senior Research Technologist, Research Technologist and Research Technician.

The types of discipline backgrounds required vary depending on the projects involved. They may include physics, engineering, agriculture, mathematics, chemistry, but are not limited to these areas.

If you apply, your name will be placed in the pool of candidates that will be considered as such opportunities arise. An

announcement similar to this will be made each six months.

If you feel that you are interested in and have background related to typical University research projects, you may apply now or in the future for such temporary research support staff positions by calling the University's Employment Div., 865-1387 (network 475-1387).

Help Wanted Advertising Reminder

The Office of Personnel Administration would like to remind faculty and staff members of the University policy regarding the placement of help wanted advertising.

The manager of the Employment Division is responsible for reviewing the wording of all help wanted advertisements, so that such advertisements are in compliance with State and Federal legislation and a standard of public relations is maintained (See PS-33, Help Wanted Advertising in the University Policy Manual).

Anyone wishing to place classified advertisements for faculty or staff vacancies should contact Robert L. Kidder, manager, Employment Division, 865-1387 (Network number 475-1387) before taking any formal action.

June 1.

Collette M. Irvin, secretary, Education, from Oct. 9, 1972, to June 1.

Robert K. Markel, vending machine servicer, Housing and Food Services, from Nov. 21, 1966, to June 1.

Bertha R. Giovan, coffee shop attendant, Hershey, from April 30, 1973, to May 28.

Elwood C. Tito, foreman, maintenance and operations, Hazleton Campus, from May 15, 1972, to July 1, 1978, and from Feb. 1, 1979, to May 25.

Eleanor F. Skibinski, food production worker, McKeesport Campus, from Nov. 17, 1971, to May 22.

Elizabeth J. Young, food service worker, Housing and Food Services, from Feb. 5, 1969, to May 21.

Grace V. Wilson, group leader, snack bar, Housing and Food Services, from Jan. 14, 1970, to May 20.

Christine H. Shrift, assistant extension agent, Agriculture (Hollidaysburg), from May 1, 1972, to March 1.

Carpooler

Duane Stiner is looking for riders from the Houtzdale, Osceola and Phillipsburg areas to form a van pool to the University for day shift (8 a.m. to 4:30 p.m.). Call 865-4651, 865-5955, or 378-5391 for information.

Obituaries

Sanna D. Black, professor emerita of home management extension, died May 5. She was 86.

Miss Black joined the University faculty in October, 1947 to head the Extension home management and home furnishings program in the state. She retired Jan. 1, 1962.

A graduate of Ohio State University with a B.S. degree in home economics, she received her master of science degree in family economics from the University of Chicago.

The author of a number of home management home furnishings publications, she was a member of Phi Upsilon Omicron, professional home economics sorority; Epsilon Sigma Phi, national honorary Extension fraternity; the Pennsylvania and American Home Economics Associations, and the American Association of University Women.

Ruth E. Graham, professor emerita of home economics, died May 10 at the age of 91.

Dr. Paul T. Baker, Evan Pugh professor and head of the Department of Anthropology, has been named chairman of the U.S. Man and the Biosphere Program of the United Nations Educational, Scientific and Cultural Organization. He also has been appointed a member of the U.S. Commission for UNESCO, elected an alternate member of the Commission's Executive Committee and serves on the International Coordinating Council for the Man and Biosphere Program.

James D. Bennett, director of continuing education for the College of Earth and Mineral Sciences, and David L. Passmore, associate professor of vocational education, presented their research on the severity of coal mining injuries at the 10th World Congress on the Prevention of Occupational Accidents and Diseases in Ottawa, Canada. The Congress is sponsored by the International Social Security Association, the International Labor Organization and the Canadian Society of Safety Engineers.

Dr. Sam M. Cordes, associate professor of agricultural economics, has completed a book entitled *Rural Health Delivery: A Compilation of Recent and Ongoing Research*. The book is Agricultural Economics and Rural Sociology Publication #163 of March 1983.

Dr. Gerard M. Faeth, professor and

acting head of Mechanical Engineering, has been elected a Fellow in the American Society of Mechanical Engineers.

Dr. Stephen J. Fonash, professor of engineering sciences, has been elected a member of the Executive Committee of the Thin Division of the American Vacuum Society.

Dr. Andris Friedvals, assistant professor of industrial engineering, has been awarded a Fulbright grant on a computer-aided work place design program at the University of Nottingham, United Kingdom.

Dr. David F. Kibler, professor of civil engineering, has been elected to the American Society of Civil Engineers Urban Water Resources Research Council.

Mary Ellen Larson and Dace Frievelds, of the University Libraries, have been awarded a grant from the General Electric Foundation to study "the effects of a user education program on user behavior in an online public access catalog." The program is administered by, and the project selected by, the Office of Management Services of the Association of Research Libraries.

Dr. E. Willard Miller, professor of geography and associate dean emeritus for resident instruction in the College of Earth and Mineral Sciences, has

received an award of appreciation for outstanding and dedicated service from the Pennsylvania Academy of Science. He also has been listed in the sixth edition of *Who's Who in the World*.

P.J. O'Connell, executive producer of public affairs for Learning and Telecommunications Services, received an "honorable mention" at the 25th annual American Film Festival's video competition for the documentary, *Winning and Losing*, in the "cultural studies" category.

President Oswald has been named a recipient of the Civilian Educator's Award from the U.S. Department of Defense. The award recognizes outstanding service to the country and the Department of Defense. "The continuing support and tangible contributions Dr. Oswald has made in furthering the Reserve Officer Training Corps program reflects great credit upon himself and The Pennsylvania State University," the award citation reads.

Dr. Steven Smith, associate professor of music, has been awarded one of 25 "First Century Distinguished Alumni Awards" by the Fort Worth Texas Independent School District during its centennial celebration. He also won first place in the International Piano Recording Competition (Teachers/Late Beethoven sonatas Division) of the National Guild of Piano Teachers.

Dr. Cecil Trueblood, professor of education and Dr. Murry R. Nelson, associate professor of education, gave the keynote address at a conference for community organizers, sponsored by the Division of Community Education of the Puerto Rican Department of Education in San Juan, Puerto Rico.

Dr. Leonid Vaserstein, professor of mathematics, presented a seminar on "Normal and Full Subgroups of Classical Groups" at the U.S.-France Algebraic K-Theory Seminar in Luminy, France.

E.A. Vastany, professor and chairman of the Department of Humanities at the Hershey Medical Center, has been named to the Advisory Board for the Robert Wood Johnson Clinical Scholars Program, sponsored by the Robert Wood Johnson Foundation of Princeton, N.J.

Dr. Donald J. Willower, professor of education, will receive the fourth annual William A. Davis Award for his article, "School Organizations: Perspectives in Juxtaposition," which appeared in the Summer, 1982, issue of the Educational Administration Quarterly. The Davis Award is presented annually to the author of the most outstanding article published in the Quarterly during the preceding year. Dr. Willower also received the first Davis Memorial Award in 1979.

Penn Staters

Pres. Oswald addresses spring grads

"In a way, this is my commencement too," President Oswald told a record-breaking 5,685 graduates at the University Park Spring Term commencement exercises last Saturday. "As have each of you, I also have reached a milestone and I, too, am embarking on new plans."

Dr. Oswald went on to say that "This great University, in a sense, graduates also today as it stands on the threshold of a new era. On July 1, a new administration begins — one in which we have great confidence — so today when I speak of commencement or a new beginning, I speak of several aspects for you, the 1983 graduates, for me and indeed for Penn State."

"For most of us, the greatest challenge of all is one of change. Most of you graduating today of course do not know precisely where you will be a year from now. . . . Change, with its unknowns, can be fearsome, a little dangerous, a bit unsettling, but properly approached, it can be educational."

"Penn State University in particular is facing change — new leadership, new issues, new solutions. Change is part of

life, of being alive, of making progress, and I know Penn State will grow ever stronger in the period ahead."

In spite of the "change that is ahead for each of us," Dr. Oswald added, "my main emphasis today is on continuity, on the stability of self and of one's values and one's sense of direction as we advance through the years of our lives."

Dr. Oswald told the graduates he hoped continued pursuit of excellence, commitment to service for others and self-improvement would be among the threads of continuity in their lives.

Penn State's "continuing heritage of excellence is possibly the richest resource of our Commonwealth," Dr. Oswald continued. "The University affects farming, manufacturing, service industries and the delivery of health care. This Commonwealth would not be the same if Penn State had not been a continuing integral part of the state's history for 128 years."

"As you think of leaving Penn State," he added, "some of you may underestimate the difference your being here has made to the University. I submit

that just as you yourself have been modified and affected by your time here, so also has this University community been influenced by your presence."

"Each one of you, by participating — or even by withholding participation — has played a part in the experience, attitude, and reaction of others. When we use the phrase, 'We are Penn State,' that is what we mean — who we are and what we do — that is Penn State for everyone."

Dr. Oswald was joined on the commencement platform by the University's Board of Trustees, who stood behind him as he spoke. Board President Walter J. Conti assisted with the conferring of degrees.

In the 13 years that Dr. Oswald has been president of Penn State, more than half of all degrees held by living alumni of the University have been conferred. Every doctor of medicine diploma from the University bears his signature.

The 1983 spring term graduating class is the largest in Penn State's history. In all, 7,810 graduates will have received degrees from all Penn State campuses this spring.

Marker Fellowship awarded to Feldman

The first Russell Marker Faculty Fellowship at the University will be awarded to Ken S. Feldman of Mountainview, Calif.

Mr. Feldman will join the Department of Chemistry faculty and assume the fellowship in Fall 1984. He is currently a doctoral candidate at Stanford University where he has distinguished himself in organo-metallic chemistry research. He plans to spend a year at the DuPont Research Laboratories before coming to Penn State.

The Russell Marker Faculty Fellowship was established by Syntex Corporation of Palo Alto, Calif., in 1981 to attract outstanding young faculty members to the Department of Chemistry. The Fellowship honors Russell Marker, a former University faculty member, who pioneered the isolation and synthesis of steroid hormones. He also helped found Syntex in Mexico City in 1944.

Under the terms of the Fellowship, Mr. Feldman will receive \$15,000 annually for five years for research support, travel, secretarial services, technical assistance or other expenses.

Management team works on new Ben Franklin proposal

The management team of the Advanced Technology Center of Central and Northern Pennsylvania is developing a major proposal to meet a July 15 deadline set by the Ben Franklin Partnership Program.

Faculty members interested in proposing projects with the private sector must submit their proposals by June 24. Training and entrepreneurial development activities could involve private and/or public sector organizations, while research proposals must involve a cooperative effort with industrial companies.

Proposal guidelines are available from Dr. John L. Leathers, executive director of the Center, Room 111 Old Main, phone 863-0327, or any of the Center's three program directors, James W. Lundy, research activities; Paul W. Houck, entrepreneurial assistance center, and Dr. Robert F. Nicely Jr., scientific education and technology training.

Proposals should be related to the four research thrust areas approved by the Ben Franklin Partnership Board. Implicit in the proposals is financial support from the private sector.

The four research thrust areas and their directors are: electronic materials and devices, Drs. Joseph Stach and Nicholas Winograd; year-round food-crop production in greenhouses, Dr. Charles Krueger; advanced technology in the uses of coal, Dr. James Reuther, and biotechnology which includes training in

recombinant DNA techniques and small grants for commercial applications projects, Dr. Stanley Person.

Mr. Lundy said the approved research thrust areas will not be changed for the second year of the Ben Franklin program although an additional thrust area could be added. "Later in 1983-84," he said, "changes in the thrust areas based on viability and support from the private sector will be considered."

The program will begin its second year Sept. 1, provided the Legislature grants

funds for it.

The Ben Franklin program was designed to preserve and create jobs in Pennsylvania through the application of advanced technologies.

To carry out the program, four regional Advanced Technology Centers have been established.

Penn State has been designated as the Advanced Technology Center of Central and Northern Pennsylvania, including two satellite centers at Erie and Harrisburg-York.

Plant, Planning and Design; and Robert Benneuer, vice president emeritus of Student Affairs, who chaired the committee.

The construction was paid for from undesignated funds given to the University. No tuition or tax dollars were used to fund the project.

The memorial to the man many regard as Penn State's "second founder" because the school experienced its first substantial growth during his term is being rededicated 101 years after he began his tenure. The public is invited to the ceremony.

Atherton Memorial to be rededicated

The Rededication of the George Atherton Memorial at the University Park Campus will be held at approximately 2:30 p.m. Saturday, June 4, following the Alumni Reunion Luncheon at Recreation Hall.

President Oswald will preside over the brief ceremony at the memorial, which is located beside Schwab Auditorium.

Dr. Atherton, president of the University from 1882-1906, is often said to be one of the University's greatest presidents. He is buried beside Schwab Auditorium.

The memorial features a granite wall

and bench, sculpture relief and lettering and new landscaping around the gravesite. The design was contributed to the University by Herbert Beckhard of the firm of Herbert Beckhard, Frank Richlan and Associates of New York City.

Mr. Beckhard is a Class of 1949 distinguished alumnus of the University. John Cook, Penn State professor of art, was the sculptor.

Construction work on the memorial was done during the summer and fall of 1982. Committee members were Mrs. Rose Oswald; John Miller, director, Physical

Ferrin receives University Libraries award

Eric G. Ferrin has received the 1983 Award for Outstanding Contribution to the University Libraries.

Mr. Ferrin, head of Library Computer Services, was honored for his role in the development of the Libraries' automated integrated system, LIAS (Library Information Access System).

A 1970 graduate of Brigham Young University, Mr. Ferrin earned a BE-EE degree in the five-year professional

engineering program in electrical engineering. While still an undergraduate he worked in computer programming for both the library and the engineering department at Brigham Young.

Mr. Ferrin came to Penn State in 1970, left to work for Sperry Univac from 1973 to 1975 and returned to the University in 1975 to work on the planning of the Libraries' automated system.

Consultants, called by the Libraries'

administration to review the new system, have labeled it "well-conceived" and "innovative" and "at the level of or beyond" anything else in the field.

Mr. Ferrin has been invited by Honeywell to serve on a special committee to review documentation for Honeywell. He has also served on the executive board of a Honeywell-Xerox Exchange Group which reviews designs of hardware and software.



Eric G. Ferrin



Maryann Domitrovitz

Domitrovitz is 1983 HPER Teacher of Year

Maryann Domitrovitz, assistant professor of physical education, is the 1983 recipient of the "HPER Teacher of the Year Award" given by the College of Health, Physical Education, and Recreation.

This is the first year for the annual award which includes a plaque and a \$750 check for professional enrichment. It is cosponsored by the College of Health, Physical Education and Recreation Alumni Society in recognition of the most outstanding teacher in the College.

The award recipient is chosen through a student nomination process, with final selection based on the nominee's performance as a teacher, developer of quality instructional processes, and evoker of professional aspiration and competence

among his or her students.

Since her appointment to the faculty in 1965, Prof. Domitrovitz has taught a wide variety of both basic instruction and professional physical education activities courses.

She has attempted to demonstrate to her students that teaching can be a very positive and rewarding process if good interaction is encouraged between the teacher and student and among the students themselves. "I want to help prepare them for teaching so that they, too, will have a similar experience," she says.

She also stresses that learning should be fun, but challenging and demanding. "Students must be able to experience

success, but it must be a result of being challenged or the sense of accomplishment won't be as rewarding."

Prof. Domitrovitz received a B.S. degree in physical education from East Stroudsburg State College in 1962 and an M.Ed., also in physical education, from Penn State in 1967.

She is a member of the Eastern Association for Physical Education of College Women, the National Intramural Recreational Sports Association, the National Association of Girls' and Women's Sports, and the American Alliance for Health, Physical Education, Recreation, and Dance, and has served on several committees in these organizations.

The arts

Graphics exhibit

A selection of drawings and drypoint etchings by contemporary Swedish artist Gunnar Normman is on view at the Museum of Art through July 10. Landscape and botanical subjects predominate in this exhibit, and they have been the focus of Normman's graphic art for many years. He has exhibited widely throughout Europe and in America. The Museum of Art is the first American museum to show a body of Normman's work.

During the 1930s, before he began his artistic career, Normman studied botany and was an assistant at the Botanical Museum in Lund, Sweden. The influence of his scientific training may account for the naturalistic precision and detail of his renderings of plant forms.

Serene and delicate, Normman's drawings and etchings are small in scale and require the viewer to look closely in order to appreciate the nuances of his line and composition. The simplicity and economy of means in his work recall Chinese landscape painting.



'Plane-tree Branches,' pencil on paper, by Gunnar Normman

Papermaking workshop

Diane Pepe, associate professor of art, will present a papermaking workshop June 4-7 (Monday through Friday) from 9 a.m. to 5 p.m. at the University's papermaking shop in 121A Chambers Bldg.

The workshop, in conjunction with the Art Alliance of Central Pennsylvania, is funded by a grant from the Pennsylvania Council of the Arts. It will include lectures, demonstrations and work sessions.

In conjunction with the workshop, there will be an exhibit at the Art Alliance of Central Pennsylvania of handmade paper pieces from the School of Visual Arts, Hand Papermaking Course. A reception and slide presentation will be held from 4 to 7 p.m. Sunday, June 5, at the Art Alliance in Pike Street, Lemont.

The workshop is open to all interested individuals. Any wishing to enroll or gain more information should contact the Art Alliance (234-2740) or Diane Pepe (865-0444).

Penn State Press

Richard Beer-Hofmann: His Life and Work. Esther N. Elstun. 214 pages. \$17.95.

Beer-Hofmann (1866-1945) was the central member of the literary group known as "Young Vienna." Esther N. Elstun's book places him in the context of his time and furnishes a critical discussion of all his major works.

Although his profound influence on Hugo von Hofmannsthal, Arthur Schnitzler and other turn-of-the-century Viennese writers has been widely acknowledged, no major study of the writer's life and work has appeared in nearly 50 years.

His metamorphosis from young dandy to artist is discussed in the biographical first chapter. His early works place him as a father of the stream-of-consciousness technique in literature.

His only novel, "Der Tod Georgs," contains several of his most important themes: the belief in the dream as not only a necessary component to reality, but also a state richer and more vivid than life itself; the uncertainty and precariousness of life; and the ugliness and despair of old age versus an early confrontation with death.

The book is useful for those interested in 20th-century German and Austrian literature. It is part of the Penn State Series in German Literature.

Dr. Elstun, professor of German at George Mason University, earned her Ph.D. at Rice University.

Staff Development

Computer Awareness

Sixty-nine employees are recent graduates of the Computer Awareness Program, a basic program designed to create computer/data processing awareness and to help employees improve their computer backgrounds in areas related to their jobs. The following completed the course:

Don Appleby, hardware specialist, arch. draftsman, Office of Physical Plant; Karen Augustowski, admissions counselor II, Admissions; Chuck Barrett, supervisor, food stores building, Housing and Food Services; Aileen Bigler, secretary A, President's Office; Frank Blazosky, supervisor, student transcripts, Registrar's Office.

Sherry Casamento, secretary C, Student Affairs; Jane Childs, research manager, Gifts and Endowments; Tony Ciccarelli, foreman, electronic services, Office of Physical Plant; Joan Coble, administrative aide, President's Office; Sam Corrigan, bakery production supervisor, Housing and Food Services.

Jayne Crothers, secretary, Admissions; Faye Davy, secretary, Admissions; Rhonda Decker, clerk, typist A, Arts and Architecture; Bob Dennehy, assistant manager, Nittany Lion Inn; Cecelia Doty, secretary A, Health, Physical Education and Recreation; Irene Ferguson, secretary B, Liberal Arts; Darla Franks, secretary C, Graduate School; Judith Garner, director of nursing services, Health Services.

Bob Gawryla, electrician/electrical engineer, Office of Physical Plant; Dave Gingham, supervisor of Kern Graduate Building Cafeteria, Housing and Food Services; Maggie Glick, secretary C, Alumni Association; Janet Gordon, clerk, admissions A, Admissions; Glenda Haas, secretary B, Arts and Architecture; George Hall, receiving assistant, University Libraries; Sue Ellen Hampton, secretary A, Graduate School.

Jo Ann Harris, secretary C, Liberal Arts; Helen Haugh, dining hall supervisor, Housing and Food Services; Nancy Heaton, clerk, billing A, Health Services; Anita Helton, secretary C, Student Affairs; Sandy Herminan, secretary A, Health, Physical Education and Recreation; Donna Isenberg, secretary A, Graduate School.

Sheila Ishler, clerk, stenographer A, Engineering; Ardath Johnson, supervisor, office and accounting, Office of Physical Plant; Carl Johnson, head, building planning and new construction, Office of

Physical Plant; Julie Johnson, clerk, typist B, Engineering; Joan Kastner, senior coder, Admissions.

B. Wayne Kelly, professor, Agriculture; Linda Klinger, secretary C, Liberal Arts; Zenda Krape, secretary B, Arts and Architecture; Patricia Krauss, secretary, Controller's Office; Dale Kuhns, dining hall supervisor, Housing and Food Services; Vickie Lansberry, clerk, production A, Housing and Food Services.

Jim Lippincott, supervisor of planning and scheduling, Office of Physical Plant; Bob Long, foreman, central control system, Office of Physical Plant; Cindy Lorenzo, secretary B, Health, Physical Education and Recreation; Jean Lykens, secretary B, Health Services; Janis Marshall, secretary B, Agriculture.

Marjorie Masteller, research coordinator, Gifts and Endowments; George McCormick, manager, vending and snack bars; Housing and Food Services; Lois McFarland, secretary B, Admissions; Judy Musser, secretary C, Liberal Arts; Dollie Neff, supervisor, medical records, Health Services; Tony Petro, senior accounting clerk, Arts and Architecture.

Cathy Rhodes, secretary, Admissions; Lorraine Rogers, secretary C, Human Development; Frank Gregory Scheirer, clerk, billing A, University Press; Les Shaw, customer service representative, Office of Physical Plant; Lucy Shuey, secretary B, Admissions; Kathy Smith, Head Clerk, Office of Physical Plant.

Nancy Taylor, technical secretary A, Applied Research Lab; Dick Tennent, project architect, Office of Physical Plant; Doris Walters, secretary, Admissions; Don Weaver, supervisor, operating equipment facility, Office of Physical Plant; Norm Weber, supervisor of bake shop, Housing and Food Services.

Rhoda Williams, secretary A, Human Development; Joyce Wilusz, secretary C, Human Development; Sheila Winfree, clerk, typist A, Liberal Arts; Robert Zaph, assistant manager and affiliate instructor, Nittany Lion Inn, Linda Zuber, secretary B, Office of Physical Plant.

Writing Skills Program

Seventeen employees have completed an eight-week Writing Skills for Secretaries/Clericals program. The course was designed to provide new opportunities for secretarial/clerical

personnel to develop improved writing skills through an increased awareness of the importance of this communication process.

Completing the course during the Spring Term were: Sandi Andrews, secretary B, Agriculture; Joy Barger, secretary B, Human Development; Thelma Brodzina, clerk, typist A, Agriculture; Wanda J. Decker, secretary A, Agriculture; Sue Donley, secretary B, Housing and Food Services.

Carolyn Grove, secretary B, Agriculture; Beth Haupt, secretary C, Continuing Education; Leslie Hoover, clerk A, service desk, Physical Plant; Christine Irvin, secretary B, President's Office; Cindy Kriah, secretary B, Agriculture; Susan Lightner, operations documentation clerk, Management Services; Lori McDowell, clerk — registrations A, Continuing Education.

Lori Schaffer, secretary C, Planning and Budget; Ruby Shepherd, clerk, typist B, Business Administration; Robin Smith, research technician, Intercollegiate Research Programs; Penny Walker, clerk B, Continuing Education; Cathryn Watson, secretary C, Agriculture.

EXCEL program at Hershey

Twenty-eight clerical employees of the Hershey Medical Center have completed an eight-week EXCEL Program designed to assist employees identify self-development needs and develop professional excellence on the job.

Participating were: Jane Afonnes, Pediatrics; Rose Barnes, Fiscal Services; Carolyn Bibb, Biomedical Electronics Laboratory; Deborah Brubaker, Personnel; Kay Casel, Medicine; Sara Charrat, Public Relations; Judith Drayer, Staff Development; Marie Dugdinski, Physiology; Shirley Epler, Associate Provost; Jeanne Faust, Pathology.

Peggy Hiltz, Diast, Rebecca Ketrrow, Surgery; Susan Landucci, Medicine; Bonnie Loomis, Surgery; Shirley Marks, Personnel; Nancy Nelson, Pediatrics; Janet Nixon, Pastoral Care; Helen Peterson, Nursing/ACC; Mary Ann Ryan, Obstetrics & Gynecology; Betty Showalter, Surgery; Natalie Smith, Obstetrics & Gynecology.

Joanne Taylor, Medicine; Doris Vancay, Physical Plant; Sandra Wallish, Surgery; Janet Warner, Comparative Medicine; Judith Weigle, Medicine; Ruth Yingst, Clinical Laboratories; Grace Zillig, Utilization Review.

University history on film at Penn State Room

As the tractors begin plowing the fields, a voice proclaims: "Penn State is proud of its appearance, but prouder still when the dirt begins to fly."

It's progress in action, says the narrator of the 1962 film, *Penn State: A Land Grant University in Action*. That film, as well as more than 400 others which provide a glimpse of the history of life at the University is part of the archival collection at The Penn State Room at Pattee Library.

Information on virtually any aspect of University history can be found in The

Penn State Room, says Lee Stout, associate librarian and head, Penn State Room.

Four or five thousand people stop in The Penn State Room every year, about half of whom Stout describes as "browsers."

"We have a full range of documentation of University history here," he says. Films, some dating back to the 1940s, which feature past events, instructors, and even dress styles at the University are now readily available, and The Penn State

Room has a new device on which visitors can view those films.

With the "CineScan," film is threaded through the machine, and the picture appears on a 7½ by 5½ inch screen on the machine itself.

"The CineScan allows users to look at films more easily," Stout explains, "because we don't need to go through the trouble of getting a projector or a darkened room. The CineScan is also far less damaging to films than a projector."

The visual quality on the screen is good, and an earphone accessory can accommodate several viewers at the same time.

The Penn State Room purchased the device with funds given to the University Libraries by Mimi Barash Coppersmith, State College business woman, and publisher of *Town and Gown* and *Where and When* magazines.

Many University-produced films have now been acquired by The Penn State Room from Audio-Visual Services and other sources. Stout hopes The Penn State Room will become an archive for films produced by, or relating to the University, which began film production in 1942.

"Fortunately, my interest in collecting these films for the room came at the same time as the Coppersmith gift," said Stout, who reports that The Penn State Room now has more than 450 University-produced films and hopes to acquire more soon.

For nostalgia buffs or those fascinated by a "simpler" era, films produced at

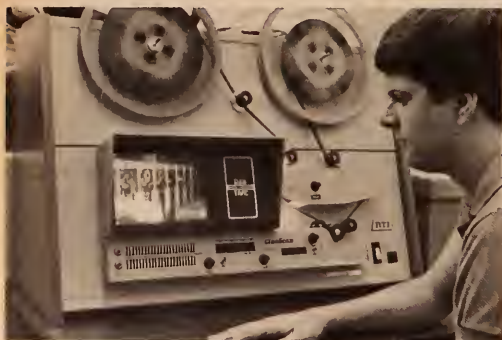
Penn State about the University in the late '50s or early '60s portray the campus, students, and faculty of those years. In *Penn State: A Land Grant University in Action*, viewers can see the evolution of Old Main, and "new" facilities for linguistics, nuclear physics, and clinical psychology. "Research is always going on, and it is exciting," the film proudly proclaims.

The room's collection covers films produced either at the University, or by University faculty. Also, some films, though not produced at the University, received assistance from Penn State faculty members. *Land and Live in the Desert*, a 1942 U.S. Army Air Force training film, is a dramatization of survival techniques after an airplane crash. Dr. Clarence R. Carpenter, former head of the Department of Psychology, was involved in the production.

"Almost unanimously, Penn State was regarded as having one of the most outstanding University film production units in the country," Stout says. "The films that Frank Neusbaum (head of the production unit in the '40s and '50s) made won many awards."

In addition to the films, many other resources are available in The Penn State Room. *Daily Collegian* newspapers since 1904, for example, are housed there, and they are indexed since the early 1950s.

"Few if any other universities have this access and indexing capability for their collections," Stout adds.



Kevin Murphy, president of the Lion Ambassadors, operates the CineScan at The Penn State Room.

Hammermill gives grant to Behrend

The Hammermill Foundation has announced a commitment of \$1,000,000 over a four-year period toward the construction of a new business, engineering and technology complex at the Behrend College in Erie. One building of that complex will be named The Hammermill Building.

"The Foundation is pleased to play a role in the continuing progress of Penn State-Behrend," said Albert F. Duval, chairman and chief executive officer of the

Hammermill Paper Company.

"We have had a history of commitment to Penn State since its early years in Erie. We believe this gift will continue the tradition of promoting quality higher education begun by Mary Brownell Behrend, when she gave her estate to the Pennsylvania State University in memory of her late husband and Hammermill founder, Ernst Behrend.

President Oswald said that, "Penn State has always been committed to quality

education. With the addition of this new complex at our University in Erie, we will be better able to serve the needs of Northwestern Pennsylvania business and industry as they develop a strong posture in the economy of the 80's, 90's and beyond."

Accepting the Hammermill Foundation commitment on behalf of Penn State Behrend was Dr. John M. Lilley, dean of the College. "This significant commitment to Northwestern Pennsylvania will assist us in realizing major institutional goals," he noted.

Groundbreaking for the complex is expected this fall. The structure will house new programs in business, engineering and technology which have been developed by Behrend College to meet the needs of Northwestern Pennsylvania business and industry. Incorporated into the 20,000 square-foot complex will be a computer center, laboratories for instruction and research, classrooms and faculty offices.

The remainder of the funds for the project is expected to come from private contributions to the University.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., June 9, 1983. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (FES-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap or age (as provided by law), sex, or status as a disabled or Vietnam era veteran.

● **Manager, News Bureau, Public Information and Relations, University Park** — Responsible for gathering, processing and disseminating through appropriate media information about the University. Insure coverage of major University events. Supervise release of information to all news media. Maintain liaison with members of news media. Responsible for administrative functions of News Bureau. Bachelor's degree (or equivalent) in journalism or English or a related field plus four to five years of effective experience to include experience in daily newspaper operations and a news bureau.

● **Drafter, Office of Physical Plant, University Park** — Responsible to the senior mechanical or electrical engineer for developing, updating, and maintaining mechanical, electrical and architectural drawings and maps. Associate degree or graduate of a two-year technical school with minimum of one to two years' drafting experience in an architectural or engineering office.

● **Accountant, College of Medicine, Elizabethtown Hospital** — Responsible for the performance of general accounting duties as related to income, expense, budgetary projection and preparation of financial reports. Bachelor's degree (or equivalent) in accounting plus one to two years' effective experience.

● **Senior Systems Analyst, Management Services, University Park** — Responsible to the assistant director, Systems Planning and Development, for managing systems modification and assisting within Systems Planning and Development for the direction and control of major development projects, design studies, and analytical investigations. Bachelor's degree or equivalent with training in basic computer systems planning, plus four to six years' effective experience in data processing, with at least two years' experience as a systems analyst.

● **Patient Unit Coordinator - A, College of Medicine, Hershey** — Responsible to the associate hospital director/director of nursing services or the assistant director of nursing services as designated for the operation of the patient care unit, including nursing care activities, the coordination of patient care service, and maintaining acceptable standards of good patient care on a twenty-four hour basis. A bachelor of science degree in nursing or equivalency plus three to four years of effective experience and licensed to practice as a registered nurse by The Pennsylvania State Board of Nurse Examiners.

● **Writer - Information Aide, College of Agriculture, University Park** — Responsible to the director of agricultural communications for covering a variety of writing assignments. Assist in writing news stories and releases, periodicals and magazine feature articles covering the accomplishments of faculty and 4-H youth activities. Interview college faculty and staff, and extension personnel to develop

related stories. Serve as reporter-photographer and arrange for broadcast and photographic coverage for campus and statewide special events. Operate data processing equipment to write, edit, and update communication materials. Bachelor's degree (or equivalent) in some areas of communications, preferably journalism, plus nine to twelve months' effective experience demonstrating ability to write and proofread. Experience in photography desired.

● **Security Officer, Beaver Campus** — Responsible for the hiring, training, scheduling and supervision of security personnel and developing and implementing campus safety and security programs. Bachelor's degree, or its equivalent, in criminal justice, law enforcement, criminology, of a closely related field; plus a minimum of one year of effective law enforcement and safety experience.

● **Assistant Dean of Admissions for Minority Affairs, Office of Undergraduate Admissions, University Park** — Responsible to the dean of admissions for the development of the Comprehensive Minority Recruitment Plan for The Pennsylvania State University; engage all Admissions staff (at all locations) in the execution of the plan and be responsible for the involvement with and the articulation of these activities with all other elements of the Penn State Community including: students, faculty, administration, campuses, colleges, departments and alumni. Master's degree (or equivalent) plus four to five years of effective experience, or bachelor's degree (or equivalent) and over seven years of experience in the administration of higher education required. Previous administrative experience in admissions activities is required. Experience in complex, relatively large university setting is desired.

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Two named behavioral science fellows

Herschel W. Leibowitz, Evan Pugh professor of psychology, and Clifford C. Clogg, associate professor of sociology and statistics, have been named Fellows of the Center for Advanced Study in the Behavioral Sciences, Stanford, Calif., for 1983-84.

The Center, founded in 1954 and endowed by the Ford Foundation, annually selects 40 to 50 Fellows, each considered a leader in his or her discipline by virtue of promise and productivity. In a specially designed setting overlooking the Stanford University

campus, Fellows spend up to a year increasing their competence, broadening their perspective and concentrating on their individual research.

This year, 48 Fellows have been chosen for one of the highest honors in the social and behavioral sciences.

Dr. Leibowitz will work on problems of intersensory integration and relating experimental psychology to some societal problems involving transportation systems (airplanes, trains, automobiles, bicycles).

"I'm interested in trying to understand the mechanism involved in vehicle guidance — what sensory mechanisms people use. Knowing that, I want to find out how we can improve the safety of transportation systems," he says.

For instance, people in the aviation field have known for 15 years that one of the dangers of flying at night is that pilots fly too low. Now scientists are learning why this behavior occurs.

There are two ways to approach problem-solving, Dr. Leibowitz says. One way is to find an application for research in progress. Another is to define a problem, then design a research program to solve it.

Dr. Leibowitz has concentrated his

research in the area of visual physiology and human perception. He has studied the vision of pilots, night myopia and the behavior of drivers in auto/train collisions.

He says the Center fellowships allow Fellows "to maximize their creative time. The San Francisco Bay area is one of the prime intellectual areas of the world, and the combined libraries of Stanford and Berkeley are probably the best in the world."

"The only problem I'll have is deciding what not to do," he says. He has colleagues in the area and will be near a NASA Space Center, which he will visit for some research, as well as the University of California at Berkeley.

"The advances in the future will be in the integration of traditional disciplines," he says. "That's the purpose of the Center — to bring people together who share common interests."

Dr. Leibowitz has been a member of the University faculty since 1962. He became an Evan Pugh professor in 1977 and has written numerous articles on his research and co-edited the "Volume on Perception" of the "Handbook of Sensory Physiology."

(Continued on page 3)



Clifford C. Clogg



Herschel W. Leibowitz

Employees interested in health programs

The vast majority of respondents to the Employee Wellness Survey conducted earlier this year have expressed interest in participating in University-sponsored lifestyle health promotion programs.

Co-sponsored by University Health Services and the Office of Personnel Administration in cooperation with the American Cancer Society, a total of 7,211 survey packets were distributed in mid-January to full-time faculty and staff members on the University Park Campus. The total number of packets received was 2,698, a 37.4 percent rate of return.

Responses were analyzed according to age, gender and occupational status (faculty or staff) in determining cancer risk status and interest in specific cancer education programs, positive or negative health practices and interest in voluntary participation in University sponsored lifestyle health promotion programs from a list of 16 suggested program topics.

Conclusion highlights concerning

respondents health practices and interests include:

- Interest in attending cancer education programs increased as the degree of risk increased for all cancer types studied except for breast cancer where risk status was not a factor in interest in attending programs.

- Higher percentages of females, staff, and younger age group respondents smoke and are overweight.

- Higher percentages of female, faculty, and younger age group respondents practice self-examinations.

- Higher percentages of male and faculty respondents exercise at least three times a week.

- There was a high interest in attending programs on stress management regardless of respondents perception of stress adversely affecting their job.

- Higher percentages of females and staff were interested in participating in lifestyle health promotion programs.

The highest priority for programs was in the area of fitness, followed by programs in nutrition and self-help.

Dr. J. Robert Wiarg, director of health promotion and education for University Health Services, says the final report is an assessment of faculty and staff needs and interests.

"Based on the positive results of this study and the recognized wealth of resources within our academic community, the potential is great for a well organized, interdisciplinary health promotion and education program that fosters employee wellness. Hopefully, the results of this survey will encourage further investigation of the possibility of instituting such a program."

It is recommended that an interdisciplinary committee for an Employee Wellness Program should be appointed to answer such questions as:

- Where should the program be based, administratively, who will administer it,

and how will it be financed? — What role will the various Colleges or service units have in the overall conduct of the program?

- Will fees be charged University employees who participate in the program offerings?

- Where and how will programs be offered?

- Other recommendations include:
 - Program evaluation be an integral part of an Employee Wellness Program in order to determine its cost benefit over a pre-established protracted period of time.

- Special attention be given to cancer prevention and screening programs.

- Consideration be given to applying the results of the Employee Wellness Survey in order to accommodate the expressed needs and interests of University employees.

- Existing resources within the University be identified and harnessed to

(Continued on page 3)

Mrs. Oswald receives Honorary Alumna Award

Rosanel Owen Oswald has received the Honorary Alumna Award from the Penn State Alumni Association in recognition of her contributions to the University during the last 13 years.

The award honors a person who is not an alumnus of the University but who has made significant contributions toward the welfare, reputation or prestige of Penn State. It is not an annual award, but is given when the Alumni Association wishes to honor an exceptional person. There have been nine recipients to date.

As the wife of Penn State's 13th President, Mrs. Oswald has staged hundreds of receptions, dinners, teas, lawn parties and other gatherings at University House, the former presidential mansion that she established as a center

for official University entertaining. She is the director of University House.

"We felt that University House deserved not to be the home of the Oswalds but the home of the Penn State family," she said. "By using it in this way, we could interact with hundreds, even thousands of people."

The groups that have been honored there include faculty award winners, student commencement marshals, Alumni Fellows, legislators, trustees, and foreign dignitaries.

Mrs. Oswald has a long-standing interest in the arts. She has been actively involved in planning floral displays and other landscaping projects on campus. Her influence in the arts has contributed to the permanent collection at the

University's Museum of Art, and she was named to the Pennsylvania Council on the Arts in 1976.

She also has been active in women's groups. She has served on the coordinating committee for the 1976 "Womankind" conference, as a member of Penn State's Commission for Women and as a founder of "Partners," an organization for spouses of members of the Association of American Universities.

Previous recipients of the award include President Oswald, Joseph V. Paterno and Marie Underhill Noll in 1973; Milton S. Eisenhower and Heinz Warneke in 1977; Russell E. Larson in 1977; Eric A. Walker and Eugene Wettstone in 1979; and Stanley O. Ikenberry in 1980.



Rose O. Oswald

Dr. Jordan cites University's comprehensiveness

The comprehensiveness of Penn State can be significant in the recovery of Pennsylvania's economy, President-elect Jordan told the annual meeting of the Pennsylvania Society of Newspaper Editors.

"The University," he said, "has been able over the years to offer the breadth of teaching, research, and public service activities that are the purview of this country's great land-grant institutions. At Penn State, these activities reach more citizens, and larger segments of the business, industrial, and agricultural communities of Pennsylvania than do the activities of any other university within this Commonwealth."

Speaking at the group's Past Presidents' Banquet on June 3 in Harrisburg, Dr. Jordan said that maintaining Penn State's

comprehensiveness is "one of the exciting challenges" for the University in the years ahead.

Colling the maintenance of quality amidst the exciting challenges that lie ahead, he outlined a series of conditions of high quality, or excellence, in any important public university.

"In order to be of high quality," he said, "such a university must — first of all — have good students. Ultimately, they establish the norms of quality. At a great university, they must be good when they come in, and they must be noticeably better when they leave."

Other conditions he cited included: — A faculty of superior quality. "All of us — trustees, administrators, faculty members, and students — are giving increasing attention to the evaluation of

teaching but we have a long way to go. In a large, multi-purpose institution of quality, faculty research becomes a major component of faculty quality. Since teaching is the imparting of knowledge, and knowledge is constantly changing and growing, teaching and research go hand in hand at the university level."

— A curriculum that carries out the tenets of the institution's mission. "In the case of the excellent university, the curriculum must at the undergraduate level provide first for a solid and comprehensive general education."

— Facilities — buildings, libraries and library materials, and the equipment that is necessary for excellent teaching and research. "The struggle to keep up with equipment and library acquisitions is never-ending."

A final element of quality in a university, Dr. Jordan said, is what might be called campus atmosphere, university milieu, or a sense of academic community.

"A great university provides a rich environment for learning. On the campus of the university worthy of the name, there must be opportunities for intellectual and emotional growth, both formal and informal, providing the motivated student with a wide variety of learning experiences."

He told the editors that he believes the Commonwealth of Pennsylvania has in The Pennsylvania State University a land-grant university of comprehensiveness and quality.

"The challenge over the years ahead will be to preserve, maintain, and enhance this great public asset," he said.

Ben Franklin contact points are established

The Advanced Technology Center of Central and Northern Pennsylvania (ATC of CNP) is establishing a network of Information Contact Points where entrepreneurs or owners and managers of existing businesses may tap into resources of the Ben Franklin economic development program.

Personnel at the contact points will provide information on the services offered by the Technology Center, one of four approved under Pennsylvania's Ben Franklin Partnership Program designed to preserve and create jobs through the application of new advanced technologies.

"These contact points put the Ben Franklin program in reach of everyone in the region," says Paul Houck, program director of the ATC's Entrepreneurial Assistance Center.

The initial contact points have been established at all Cooperative Extension Offices and the Commonwealth Campuses of the University. Others will be established at the affiliate educational institutions involved in the ATC.

The contact points are the first step in development of a series of one-stop assistance centers with personnel able to provide general assistance, counseling and referral services.

The centers, to be strategically located throughout the region, will be capable of guiding entrepreneurs and small business starters to appropriate sources of assistance.

The ATC of CNP was established under a proposal submitted to the Ben Franklin Partnership Board by Penn State. It proposes a wide range of economic

development activities including: assist industry-university cooperative research efforts; foster development of new businesses and industries; recruit new industry, and organize manpower training programs.

Research efforts will center on: development of electronic materials and devices; expansion of year-round food-crop production in greenhouses; application of advanced technology in the uses of coal; industrial application of biological technology.

The ATC of CNP is a consortium of colleges and universities, including private/public colleges and universities, community colleges, vocational-technical schools and proprietary schools; labor; industry; community organizations, and development authorities.

4-H programs open to faculty, staff

Faculty, staff and their families are invited to attend the evening programs of 4-H Leadership Congress. On Monday, June 20, magician Richard Benninghoff will perform. The performance will be preceded by a talk by R. Budd Dwyer, treasurer of Pennsylvania and former Crawford County 4-H member.

Tuesday's performer will be Jim Perine, assistant to the dean of the College of Human Development and New York night club entertainer. Speaker will be Ray Crabbs, vice president of National 4-H Council. Both programs begin at 8 p.m. in Eisenhower Auditorium. There is no charge.

Arts dean details omissions in national report

The omissions in the recently released report of the National Commission on Excellence in Education are as important as the issues addressed, according to the dean of the College of Arts and Architecture.

Speaking at the annual Phi Beta Kappa initiation banquet last month at University Park, Dean Robert W. Holmes expressed concerns about the report's omissions which he said seem to address symptom as much as cause.

In its report, the National Commission, appointed by President Reagan a year-and-a-half ago to scrutinize the current state of American education, made far-ranging recommendations, many of which have implications for colleges and universities.

Dean Holmes noted, however, that the 18-member panel was made up of persons from education, science, government, industry, labor and philanthropy.

"There were no historians, no philosophers, no psychologists, no psychiatrists, no sociologists, no theologians, and certainly no poets, certainly no writers, and most certainly no-one as impractical as a sculptor, or a musician, or an art historian, or heaven forbid, an actor. Their truths are too ineffectual for this roll-up-your-sleeve moment in American history."

Because of its constituency, Dean Holmes said, the National Commission has perpetuated the same mistakes of omission that past commissions have made.

"For example, while the Commission emphasizes that the Japanese now make automobiles more efficiently than Americans and that the Germans now surpass us in machine tool manufacturing, the Commission ignores the fact that both the Japanese and Germans concentrate far more on the arts and humanities in their educational systems than we do and that

government subsidy of the arts and humanities in both countries makes the budget of our National Endowments appear to be a sad joke.

"The last time such a commission published its dramatic recommendations was part of our nation's response to the Soviet Union's technological accomplishments as symbolized by the launching of Sputnik over 26 years ago on the 40th anniversary of the October Revolution. The positive results from the commission in public school education have been minimal. We toyed with the so-called new math for a while; we sharpened and expanded our science and math curricula somewhat; and we cut back drastically on arts and humanities programs.

"As a matter of fact, it is those alterations, at least to some measure, that have weakened our public education system and in a sad cyclical manner have spawned these recurrent, recent revelations. Of greater consequence to that report over a quarter century ago was that congress funded the space race and we finally beat the Soviets to the moon. But other things also came about, Viet Nam for example."

Dean Holmes said the National Commission's report could be more helpful but it could also be more harmful, unless we as a nation also come to grips with some other basic truths about ourselves.

"Let me read to you what Norman Cousins wrote a short time ago: 'If our society is breaking down . . . it is not because we lack the brain power to meet its demands but because our feelings are being dulled . . . what our society needs is a massive and pervasive experience in re-sensitization.'"

"Is Norman Cousins right? Do we need to re-sensitize or sensitize ourselves as a society? Do we need it as individuals? Do

you? Are you really able to respond to life in all of its glories all around you? Are you existentially attuned to yourself and to those around you? Let me urge you, as I would urge the National Commission that the best way to hone and sharpen your psyche, to become sensitized, is to know what those who are closest to life's pulse are thinking and doing and saying — to listen to our philosophers, our poets, our novelists, our playwrights, our artists, and our composers.

"The intelligent person who does not know the short stories of John Cheever, who died within the past year; or who does not know the Rabbit trilogy of John Updike, who just last week was awarded the 1983 Distinguished Pennsylvania Artists Award by Governor Thornburgh in the rotunda of the State capitol, or the person who does not know the poetry of Galway Kinnell, who just last month won the Pulitzer Prize for poetry, is missing out on some indescribable beauties which would cause him to be more joyous, more fulfilled, more sensitized than he otherwise would be.

"He also is missing out on some significant truths which are just as cogent, just as revelatory as those in the Commission's report and which would make him a better citizen, better equipped to participate in the imperative formulation of America's destiny."

Unfortunately, Dean Holmes said, we do not seem to have the leaders right now saying those things which need to be said. Even when we do have them, we frequently do not pay sufficient attention to them.

"Most of us remember precious few of the profound utterances of John F. Kennedy although, in light of my remarks, we do remember readily that he was the chief inspiration and instigator that made us the winners of the moon race. But other things he said fell on deaf

ears and unfortunately he was not with us long enough to remind us. Kennedy said for example: 'The life of the arts, far from being an interruption, a distraction, in the life of a nation, is very close to the center of a nation's purpose — and is a test of the quality of a nation's civilization.'"

Calling the report of the National Commission on Excellence in Education "probably inevitable," Dean Holmes told the initiates that the report may do some good, but it also may do some harm. He said, however, he was optimistic and feels challenged, and, "in a curious way, exhilarated by," partially because America is a far more sobered and a more honest society than it was 26 years ago.

"There are other grounds for optimism. First of all, history shows that the arts and humanities thrive exuberantly in times of peace and when a civilization is proud of itself, content with its cultural personality, and fulfilled by its creative and artistic genius, which in turn is celebrated by all of its people. But even in darker times humanists and artists have always survived and produced and served as the antennae, the pulse, the reflection, the subtle headlight, the sensitizers of society, and I know that they will continue to do so.

"Another reason is you. I would have preferred to exhort and exalt you during these minutes, the way I had originally planned; but when I read the report and heard the President's response I felt compelled to talk with you about it because of who you are and that which you represent.

"You are the leaders, you are the ones who will soon lead the way and affect the development and changes that must take place in our country. It is because of you that I agree with the last sentence of the Commission's report: 'Americans have succeeded before and so we shall again.'"

Two named Fellows

(Continued from page 1)

As an adviser, he has served on a number of national research councils and institutes and consulted with numerous federal agencies. Most recently, he testified before the U.S. House Committee on Science and Technology on the importance of behavioral research. In 1976, he received the Senior U.S. Scientist Award from the Federal Republic of Germany for outstanding accomplishments, research and teaching. In 1957, he was a Guggenheim Fellow. A native of York, he received his B.A. degree at the University of Pennsylvania and his M.A. and Ph.D. degrees at Columbia University.

Dr. Clogg, who has a joint appointment in sociology and statistics, will spend most of his fellowship working on a book covering statistical methods for analysis of survey data such as that obtained in opinion polls and labor-force surveys.

He joined the faculty in 1976 and has worked in the areas of demography, unemployment and underemployment, research methods and statistical methods for discrete data.

"This will be the first time in eight years I will be away from teaching for such a long period of time. I'm very excited about it," says Dr. Clogg, who at 33 is one of the younger Fellows invited.

"The structure of the fellowship, which offers unrestricted research, will give me the opportunity to concentrate on my book and exchange ideas with the other Fellows at the Center," he says. The Center provides all the privileges of a university without the responsibilities that often take time away from study and research.

Since joining the University faculty, he has written a book about his research, *Measuring Underemployment: Demographic*

Indicators for the United States, published by Academic Press in 1979. He also has received a number of grants including two from the National Science Foundation.

He has received more than \$170,000 from NSF to study underemployment in the United States.

Dr. Clogg has presented invited lectures and seminars at the universities of Boston, Bucknell, Fordham, Columbia, Trinity, North Carolina, Alberta (Canada) and Kiel (West Germany). He is a consulting editor for the *American Journal of Sociology*, advisory editor of *Demography*, and is on the editorial boards of *Social Indicators Research* and *Research in Social Stratification and Mobility*.

In 1971, he was a *summa cum laude* graduate of Ohio University, was elected to Phi Beta Kappa and was a finalist in the Woodrow Wilson Fellowship Competition. At the University of Chicago, he received an M.A. in sociology and an M.S. in statistics in 1974 and a Ph.D. in sociology in 1977.

He was co-winner of Chicago's Galler

Prize for the most distinguished doctoral dissertation in the Division of the Social Sciences in 1976-77. He also won the Rosenberger Prize for constructive study and original research in Chicago's Department of Sociology.

Health programs

(Continued from page 1)

offer programs in the priority areas of fitness, nutrition and self-help.

• If the Employee Wellness Program is instituted, its various component parts should be packaged, promoted and marketed through the Commonwealth Educational System to University employees on the Commonwealth Campuses and to employees in business and industry throughout the Commonwealth of Pennsylvania.

The final report is available for review through the Office of Health Promotion and Education, 213 Ritner Health Center (853-0461).

New faculty research program established at Medical Center

The College of Medicine at the Hershey Medical Center has established a new program to develop the research skills of its young clinical faculty.

The program will allow a faculty member to begin research in an area of his interest and to collect preliminary data to demonstrate the feasibility of the proposed research project. Monies to support the program were gifts to the University from three pharmaceutical companies, CIBA-GEIGY, Merck & Co., Inc., and the Schering-Plough Corporation.

The first five award recipients, who will receive \$10,000 each for the 1983-84 academic year, are Dr. Mark Bellinger, CIBA-GEIGY clinical scientist in surgery; Dr. James R. Buchanan, MERCK clinical scientist in surgery; Dr. Joel A. Gordon, MERCK clinical scientist in medicine; Dr. David P. White, Schering-Plough clinical scientist in medicine; and Dr. Richard J. Zaino, CIBA-GEIGY clinical scientist in pathology.

Dr. Bellinger will investigate the role of intrauterine intervention in reversing fetal urinary obstruction and lung

development. Dr. Buchanan will test the hypothesis that estradiol deficiency is the primary event in postmenopausal osteoporosis and that the activity of calcium-regulating hormones is influenced by the principal sex steroid hormones. Dr. Gordon will investigate the hypothesis that free radicals play a significant pathogenic role in mediating cellular injury and death in renal tissue following an ischemic insult.

Dr. White seeks to study abnormalities of breathing during sleep. His objective is to determine whether metabolic rate is an important mediator of disordered breathing. Dr. Zaino seeks to establish in vivo model of transplanted human endometrium in mice; in which he can test effects of unopposed estrogen stimulation.

"The College of Medicine considers the development of research skills of our young clinical faculty to be one of our most important undertakings," Dr. Howard Morgan, associate dean for research said. "Support of the pharmaceutical companies in this program is a significant development in the College of Medicine."

Staff members win national awards

The Department of Public Information and Relations, the Department of Publications and the Office of the Vice President for Research and Graduate Studies have been honored by the Council for the Advancement and Support of Education (CASE).

Public Information and Relations, directed by Arthur V. Ciervo, received three exceptional achievement awards and a citation from CASE.

A public relations audit of the College of Human Development, conducted by Roger Williams, manager of special projects, and Dick Jones, assistant manager of the News Bureau, received one exceptional achievement award.

Photographer Scott Johnson's portrait of a student playing a grand piano earned another exceptional achievement award while a photo of a student skateboarding to class while carrying an open umbrella received a citation.

CASE previously announced that the News Bureau, managed by Mary H. Dunkle, assistant director of public information and relations, won an exceptional achievement award for news writing.

The Department of Publications, directed by Jean W. McManis, received

two awards for excellence. One was for the annual report of the Pennsylvania Transportation Institute. It was designed by Larry Krezo, art assistant, with photographs by Jim Collins, publications photographer. The report was cited for excellence in low-budget publications.

The second award, for excellence in use of four-color process photography, was given for a poster advertising Penn State's sports camps. Again, Larry Krezo was the designer and Jim Collins, the photographer.

The Research/Penn State magazine of the Office of the Vice President for Research and Graduate Studies received an exceptional achievement award for excellence in writing. Harlan Berger is the editor, Chuck Fergus, associate editor and Nancy Marie Brown, writer.

INTERCOM is an internal communications medium published for the faculty and staff of The Pennsylvania State University by the Office of Public Information and Relations, Room 312 Old Main, phone 865-7517.

William E. Campbell, Jr., Editor
Deborah A. Benedetto, Assistant Editor
Calendar Editor — 865 2501

News in Brief

Pattee Library tours

Tours of Pattee Library will be offered at 10 a.m. and 2 p.m. Tuesday, June 28, and Wednesday, June 29. A 7 p.m. tour will be held Wednesday, June 29. All tours begin in the main lobby of Pattee.

Branch library tours will be offered on the same dates. Tours for undergraduates will begin at 10 a.m.; graduate tours begin at 2 p.m. The branch libraries are Architecture Reading Room (207 Engineering Unit C); Earth and Mineral Sciences (105 Deike); Engineering (325 Hammond); Life Sciences (E210 Pattee); Mathematics (110 McAllister); and Physical Sciences (230 Davey). If you have any questions, please call Sally Wayman at 865-6368.

Regional campus administrators

The two men who were instrumental in organizing the Regional Campus Administrators were on hand for the group's 13th national conference this week at the University Park Campus.

Kenneth L. Holderman, vice president emeritus for Commonwealth Campuses, and John T. Mount, vice president for regional campuses and

dean of the University College, Ohio State University, were featured speakers at a luncheon address on Monday, June 13, at the Nittany Lion Inn. The title of their talk was, "Look Forward Prospective."

"Back in 1969, Ken Holderman and several directors of the Commonwealth Campuses met in Ohio with Mount and the directors of Ohio State's campuses to discuss common problems," recalls Ivin H. Kocheil, assistant vice president for administration who was then the director of the Behrend Campus.

"A year later Holderman and Mount organized the body to include universities in other states. We've been meeting since."

Mr. Holderman retired in 1974 and is now a member of the University Board of Trustees. Mr. Mount retired from Ohio State on July 1.

Campus road construction

Portions of Curtin and Porter roads on the University Park Campus will be under construction through early September.

The construction includes road resurfacing and new bicycle paths.

Regular traffic movement will be maintained though it may be restricted to one lane during the construction.

Plans for the project, initiated by the Pennsylvania Department of Transportation, call for the resurfacing and bicycle paths to be completed on a three-to-four mile stretch of Curtin, Porter and Fox Hollow roads. The bicycle paths will be part of the main road surface and will be designated by painted lane markings.

Worry Treatment Program

If you think you worry too much, you can enroll now in a free experimental program in the Psychology Department.

Rowland Folenbee, a doctoral student in psychology, said people 18 years of age and older may sign up for a four-week group treatment plan this summer that will focus on the nature of worry. Anyone "for whom worry is a problem" is eligible to apply for admission, he said.

"We want to see what worrying is like for people and how they respond to certain types of treatment," he added. Mr. Folenbee is part of a research group, directed by Dr. Thomas Borkovec, that will run the small group sessions.

Interested persons may contact Rowland Folenbee at 865-1671 or 237-4056.

Male subjects needed

Volunteer subjects are now being recruited for a ten-week walk/jog exercise program. Subjects must be male, aged 35-60 years, and sedentary (currently not participating in regular aerobic exercise). Subjects also must have medically diagnosed essential hypertension, commonly known as high blood pressure.

The purpose of the study is to determine if a low intensity exercise program can lower resting blood pressure in hypertensives. Interested individuals may call Peter Dittman at 865-5401 or 238-7542 for more information. Mr. Dittman is a master's degree candidate in physical education.

Junior Livestock Day

Junior Livestock Field Day, sponsored by the Department of Dairy and Animal Science, will be held June 18 at the Beef and Sheep Center on the University Park Campus.

The field day begins with registration at 8:30 a.m. and judging contests at 9:30 a.m. Participants will have a chance to test their judging skills on university animals — horses, swine, dairy and beef cattle and sheep.

Awards will be made by the Penn State Stockman's Club, a group of alumni who support and encourage young people to continue their interests in animal sciences.

University Park Calendar

Summer Term 1983



Special Events

Thursday, June 16

HUB Craft Center, Open House, 7-9 p.m., 312 HUB.

Festival Theatre, *You Ought to be in Pictures*, 8 p.m., Pavilion Theatre. Also June 17-19, 21-26, 28-July 3. Sunday performances at 7:30 p.m.

Friday, June 17

Commonsplace Theatre, *Diner*, 7 p.m.; *Everything About Sex*, 9 p.m., 112 Kern. Also June 19.

Saturday, June 18

France-Cinema, Truffaut, *The Last Metro*, 7 and 9 p.m., 112 Kern. Also June 20.

Sunday, June 19

HUB Eateries, Brunch, 10:30 a.m.-1:30 p.m., Founder's Room.

Shavers Creek Environmental Center, Volunteers Picnic, 6:30-8:30 p.m. Registration, 238-5872.

Week of June 20

Tuesday, June 21

France-Cinema, Tati, *Mr. Hulot's Holiday*, 7 p.m.; *Mon Oncle*, 9 p.m., 112 Kern. Shaver's Creek Environmental Center, Summer Twilight Hike, 7:30-9:30 p.m. For information, 238-5872.

GSA Explazaganza film, *The Wizard of Oz*, dusk, Fisher Plaza.

Wednesday, June 22

Late registration deadline (8 week session). Add deadline (8 week session).

Thursday, June 23

Shaver's Creek Environmental Center, Watercolor Workshop with Carol-Sue Dukstein, noon-3 p.m. Registration, 238-5872.

Festival Theatre, *The Boy Friend*, 8 p.m., The Playhouse. Also June 24-26, 28-July 3, 5-10. Sunday performances at 7:30 p.m.

Friday, June 24

Commons Concert, Jane Holmlund, noon, Kern Lobby.

Commonsplace Theatre, *Airplane*, 7 p.m.; *Raiders*, 9 p.m., 112 Kern. Also June 26.

Saturday, June 25

France-Cinema, De Arminan, *The Nest*, 7 and 9 p.m., 112 Kern. Also June 27.

Shaver's Creek Environmental Center, Moonlight Canoe for Two, 8-11 p.m. Registration, 238-5872.

Sunday, June 26

HUB Eateries, Brunch, 10:30 a.m.-1:30 p.m., Founder's Room. Shaver's Creek Environmental Center, Clean-up! Paint-up! Fix-up!, 4-8 p.m. Registration, 238-5872.

Week of June 27

Monday, June 27

Penn State Scholars Program. Also June 29.

Tuesday, June 28

Registration (6 week session). Shaver's Creek Environmental Center, Summer Twilight Hike, 7:30-9:30 p.m. Information, 238-5872.

GSA Explazaganza film, *Butch Cassidy and the Sundance Kid*, dusk, Fisher Plaza.



Wednesday, June 29

Pass-Fall (8 week session), through July 1.
Commons Concert, Poe Valley Drifters, noon,
Kern Lobby.
Commonplace Theatre, *A Night at the Opera*, 7
and 9 p.m., 112 Kern. Also June 30.

Friday, July 1

Drop deadline (8 week session).
Preregistration deadline (Fall 1983).

Week of July 4

Tuesday, July 5

17th Annual Central Pennsylvania Festival of
the Arts (CPFA). Opening performances and
dancing, 7 p.m., Old Main Lawn. Gallery
exhibitions, open all week.
Shaver's Creek Environmental Center, Summer
Twilight Hike, 7:30-9:30 p.m. Information,
238-5872.

Wednesday, July 6

Late registration deadline (6 week session).
Add deadline (6 week session).
CPFA, Young People's Day, sidewalk artists
and performers, 10 a.m.-5 p.m. Performing
arts features in the evening: A Blues Singer,
Susannah McCorkle, from New York and
Ta-Ra-Ra-Boom-De-Ay: An Old American
Music Hall Show.

Thursday, July 7

Pass-Fall (6 week session). Also July 8, 11.
CPFA, annual sidewalk sale and exhibitions,
noon-8 p.m. Performing arts features:
Broadway Review, Square Dancing, and
Fred Waring and the Youth Chorus.

Friday, July 8

Board of Trustees meeting, Worthington
Scranton Campus. Also July 9.
CPFA, annual sidewalk sale and exhibitions, 9
a.m.-8 p.m. Performing arts features:
Divisland Band Contest, Sing-Along, Story
Telling, and the Nittany Valley Orchestra.
Commonplace Theatre, *Arthur*, 7 p.m.; *The
Wall*, 9 p.m., 112 Kern. Also July 10.

Saturday, July 9

CPFA, annual sidewalk sale and exhibition, 9
a.m.-8 p.m. Performing arts features: Fiddle
Competition, Folk Singers, '50s Music and
Dance performances, and a production of
Tom Sawyer.

France-Cinema, *Reineix, Diva*, 7 and 9 p.m., 112
Kern. Also July 11.

Sunday, July 10

CPFA, annual sidewalk sale and exhibition, 10
a.m.-6 p.m. Performing arts features: Steel-
Band, Dance Band, Choral Music, Ragtime
Piano Competition.
HUB Eateries, Brunch, 10:30 a.m.-1:30 p.m.,
Founder's Room.
Shaver's Creek Environmental Center, Clean-
up! Paint-up! Fix-up!, 4-8 p.m. Registration,
238-5872.

Week of July 11

Monday, July 11

Drop deadline (6 week session).

Tuesday, July 12

Shaver's Creek Environmental Center, Wild
Foods with Evelyn Snook, 10 a.m.-2 p.m.;
Summer Twilight Hike, 7:30-9:30 p.m.
Registration and information, 238-5872.
GSA Assembly meeting, 7:15 p.m., 101 Kern.
GSA Explazaganza film, *New York, New York*,
dusk, Fisher Plaza.

Thursday, July 14

Festival Theatre, *The Dining Room*, 8 p.m.,
Pavillion Theatre. Also July 15-17, 19-24,
26-31. Sunday performances at 7:30 p.m.

Friday, July 15

Commonplace Theatre, *Animal House*, 7 p.m.;
Rolling Stones, 9 p.m., 112 Kern. Also July
17.

Saturday, July 16

France Cinema, Truffaut, *Love on the Run*, 7 and
9 p.m., 112 Kern. Also July 18.

Sunday, July 17

HUB Eateries, Brunch, 10:30 a.m.-1:30 p.m.,
Founder's Room.

Week of July 18

Tuesday, July 19

Shaver's Creek Environmental Center, Summer
Twilight Hike, 7:30-9:30 p.m. Information,
238-5872.

GSA Explazaganza film, *Fiddler on the Roof*,
dusk, Fisher Plaza.

Wednesday, July 20

Shaver's Creek Environmental Center, Fold,
Staple and Collateral, 6:30 p.m. Registration:
238-5872.

Thursday, July 21

Festival Theatre, *Man of La Mancha*, 8 p.m., The
Playhouse. Also July 21-24, 26-31, August
2-7. Sunday performances at 7:30 p.m.

Friday, July 22

Commonplace Theatre, *Porky's*, 7 p.m.; *Star
Trek II*, 9 p.m., 112 Kern.

Saturday, July 23

France Cinema, Fellini, *Anarcond*, 7 and 9 p.m.,
112 Kern. Also July 25.

Sunday, July 24

HUB Eateries, Brunch, 10:30 a.m.-1:30 p.m.,
Founder's Room.
Commonplace Theatre, 7 and 9 p.m., 112
Kern.
Shaver's Creek Environmental Center,
Moonlight Canoe for Two, 8-11 p.m.
Registration, 238-5872.

Week of July 25

Tuesday, July 26

Shaver's Creek Environmental Center, Summer
Twilight Hike, 7:30-9:30 p.m. Information,
238-5872.

GSA Explazaganza film, *Cook Hand Luke*, dusk,
Fisher Plaza.

Thursday, July 28

Late drop deadline (6 week session).

Friday, July 29

Commonplace Theatre, *Stripes*, 7 p.m.; *Star
Wars*, 9 p.m., 112 Kern.

Saturday, July 30

France-Cinema, Misrahi, *I Sent a Letter to my
Love*, 7 and 9 p.m., 112 Kern. Also August
1.

Sunday, July 31

HUB Eateries, Brunch, 10:30 a.m.-1:30 p.m.,
Founder's Room.

Shaver's Creek Environmental Center,

Wildflower Walk, 2 p.m. Information,
238-5872.

Commonplace Theatre, 7 and 9 p.m., 112
Kern.

Week of August 1

Monday, August 1

Late drop deadline (8 week session).

Tuesday, August 2

American Red Cross, Bloodmobile, 10 a.m.-4
p.m., HUB Ballroom.
GSA Explazaganza film, *Serial*, dusk, Fisher
Plaza.

Friday, August 5

Commonplace Theatre, *Life of Brian*, 7 p.m.;
The Graduate, 9 p.m., 112 Kern. Also August
7.

Saturday, August 6

France-Cinema, Fassbinder, *Lili Marleen*, 7 and 9
p.m., 112 Kern. Also August 8.

Sunday, August 7

HUB Eateries, Brunch, 10:30 a.m.-1:30 p.m.,
Founder's Room.

Week of August 8

Tuesday, August 9

GSA Explazaganza film, *Harry and Tonto*, dusk,
Fisher Plaza.

Wednesday, August 10

Classes end.

Friday, August 12

Keystone State Games, through August 15.

Week of August 15

Saturday, August 20

Summer Commencement, 10:30 a.m.,
Recreation 8ldg.

Week of August 22

Tuesday, August 23

Ag. Progress Days, 9 a.m.-5 p.m., Rock
Springs.

Wednesday, August 24

Ag. Progress Days, 9 a.m.-7 p.m., Rock
Springs.

Thursday, August 25

Ag. Progress Days, 9 a.m.-5 p.m., Rock
Springs.

Exhibits

Chambers Gallery

Gallery Hours: 9 a.m.-5 p.m., weekdays.
Robert Plackey, "Siamese Egos:
Teacher/Artist," through June 29.
Central Pennsylvania Festival of the Arts
Children's Exhibit, July 5-29.

Kern Gallery

Jim Adams, ceramics, through June 24.
David Di Pietro, drawings, through June 24.
Robert Andriulli, drawings, through June 24.
July Byron, calico fabric work, July 5-27.
Central Pennsylvania Festival of the Arts Juried
Photography Exhibition, July 5-27.
Larry Sartosh, bronze and terra cotta sculpture,
August 2-28.
Art Alliance portrait and self portrait drawings,
August 3-26.

Museum of Art

Museum hours: 11 a.m.-4:30 p.m. Closed
Mondays. Tours, Sundays, 1:30 p.m. Special
hours during CPFA, July 7-9, 11 a.m.-8 p.m.
Indian Art from the Collection of Herbert F.
Johnson Museum of Art, Cornell Univ. and
Penn State's Museum of Art, through June
19.
Richard Mayhew, recent paintings, through
June 29.
Gunnar Normann, recent drawings and
graphics, through July 10.
Waterways of Pennsylvania, drawings and
prints by Diane Burko, June 26-September
18.

Central Pennsylvania Festival of the Arts juried
crafts exhibition, July 3-August 21.
Selections from the Museum's collection, July
17-August 21.

Paltee Library

East Corridor Lobby:
Prints from the Austrian Institute, Gustav
Mahler Exhibition, through June 16.
Graphics by the Unitarian Fellowship Center,
June 16-July 15.
Gerald Lang, drawings, July 1-August 1.

Visual Arts Zoller Gallery

Gallery hours: 9 a.m.-5 p.m., weekdays.
Walter Shroyer, ceramics, through June 17.
Dinah Alderman, paintings, through June 17.
Peggen Sung, paintings, June 20-July 1.
Central Pennsylvania Festival of the Arts Show,
July 5-29.
Haegin Shin, printmaking, August 1-12.



Focus on the arts

Dickson receives award

Harold E. Dickson, professor emeritus of art history, has been awarded the first Award of Merit by the Friends of the Museum of Art. The award was made in recognition of Dr. Dickson's significant and valuable contributions to the

museum, his outstanding support, and his long and distinguished service to the University.

Dr. Dickson taught the history of art and architecture at Penn State for forty-one years, and has been a vital force in the arts community. Since his retirement, he has been involved in organizing several

exhibitions at the Museum of Art.

He selected the works and wrote the catalog for the museum's first major exhibition in 1972, *Masterworks by Pennsylvania Painters in Pennsylvania Collections*. In 1976, Dr. Dickson once again selected paintings and wrote the catalog for one of the museum's most ambitious exhibitions, *Portraits U.S.A.*, a celebration of two hundred years of portraiture in America.

At present, Dr. Dickson is working with the museum staff on a major retrospective exhibition of the work of Henry Varnum Poor, the artist who painted the *Land Grant Frescoes* in Old Main. This exhibition will open at the Museum of Art in September, 1986, and will survey Poor's long and varied artistic career.

To mark the Award of Merit, the Friends of the Museum commissioned John A. Cook, professor of art, to design and strike a medal. Made of bronze and measuring approximately 2½ by 4 inches, the medal represents the Greek goddess of dawn, Eos, being carried across the morning sky in a chariot, sprinkling dew upon the earth.

Museum exhibit

The verdant landscape of Pennsylvania, with its gently rolling hills and winding rivers, is the subject of a new exhibit at the Museum of Art. Entitled "Waterways of Pennsylvania," the exhibit features colored pencil drawings and lithographs by Philadelphia artist Diane Burko.

This series of drawings and prints began in 1981, when Ms. Burko received a grant from the Pennsylvania Council on the Arts to draw and paint waterways of the state. She chose five areas: the Delaware River, the Susquehanna, the Three Rivers area of Pittsburgh, Kinzua Dam in Warren County, and lagoons near Lake Erie.

The grant allowed Ms. Burko to approach her subject in an unconventional way — from the air, by means of a small plane. "We made at least a dozen flights," she recalls, and during the flights, she photographed scenes that interested her.

Back at the studio, she developed her slides and chose the ones that were to be transformed into prints and drawings. For some scenes, she picked only one slide; others are created from a series of photographs mounted side by side. She projected the photographic images onto rough watercolor paper. After outlining the image, she experimented with building up colored pencil marks on the paper, blending colors and simplifying forms.

The resulting drawings are subtle and atmospheric, in shades of blue, green, and violet. They are remarkable for their size — several are almost ten feet in length — which emphasizes their panoramic quality.

The exhibit, organized by the Allentown Art Museum, is traveling to several other museums in the state. It will be at the Museum of Art from June 26 to Sept. 18.



Harold Dickson is congratulated on his award by Louise Kelly, left, former librarian in the Penn State State Room, and Jean Smith, arts librarian at Pattee.

Penn State Press

Shaw: *Shaw's Plays in Performance*, Vol. 3. Daniel Leary, editor. Stanley Weintraub, general editor. 262 pages. \$16.95

This book is part of the series: "Shaw, The Annual of Bernard Shaw Studies," which is edited by Stanley Weintraub, research professor of English and director of the Institute for the Arts and Humanistic Studies.

"Shaw's plays are nothing but talk" some critics have complained through the years. Though critics have sometimes suggested that Shaw's "Theatre of Ideas" was thought-provoking but dramatically weak, the production record refutes this claim. Audiences throughout this century

have responded to Shaw by attending performances of his plays in numbers unrivaled by any of his contemporaries.

This book documents the continuing popularity of Shaw's plays and examines the elements within them that have so often led to their successful transition from page to stage. Production records are used by two of the authors to demonstrate Shaw's ability to fill theaters.

Other authors focus on the visual and auditory aspects of the plays, examining how sets and props and on-stage movement underscore and extend what is being said, and how meanings are conveyed not just by Shaw's words, but by the way an actor says those words.

Two little-known pieces by Shaw included in this volume reveal his concern as a playwright and director with the

effective use of staging elements. This theme is continued in essays examining his direction of "The Devil's Disciple" and "Pygmalion."

A Treasury of Mahayana Sutras: Selections from the *Maharatnakuta Sutra*. Garma C.C. Chang, general editor. 496 pages. \$22.50

The *Maharatnakuta Sutra* is one of the five major sutra groups in the Mahayana canon. Of the two great schools of Buddhism, Mahayana has the greatest number of followers worldwide.

Despite the increasing attention and enormous following among the Chinese, Japanese, Koreans, Tibetans and Vietnamese, translations of the Mahayana scriptures have been scarce and

fragmentary. This volume contains 22 of the 49 sutras of the *Maharatnakuta Sutra*, many translated for the first time in a Western language, selected and arranged to give the reader an introduction to this major religious tradition.

An introduction provides historical and interpretive guidance; annotations assist in the comprehension of difficult passages; and an extensive glossary provides valuable assistance.

Garma C.C. Chang, general editor for the volume, is emeritus professor of religious studies at the University and a renowned Buddhist scholar. He has written two books: *The Buddhist Teaching of Totality* and *The Practice of Zen*. He also did an English translation of the Tibetan classic: *The 100,000 Songs of Milarepa*.

Bookshelf

Philip Baldi, professor of linguistics and classics and director of the Linguistics Program, is author of *An Introduction to the Indo-European Languages*, published by Southern Illinois University Press.

The book is intended primarily for students studying general courses on Indo-European languages and linguistics. It is a comprehensive assessment of Indo-European groups and fills a long-standing need for synthesizing the vast amount of information available in specialized handbooks of the individual languages.

Dr. Baldi includes in his book an introduction to the concept of the Indo-European language family, the history of its discovery and the techniques of analysis. He devotes a chapter to each of its 11 major branches (Italic, Celtic, Indo-Iranian, Greek, Armenian, Albanian, Baltic, Slavic, Germanic, Tocharian and Anatolian).

Within each chapter, he presents an outline history of the branch, a structural sketch of the most important language or languages of the branch and the phonology, morphology and syntax of each language. He also includes a sample text with interlinear translation of the language in the structural sketch.

The final chapter covers the minor Indo-European languages (Illyrian, Thracian, Raetic and Phrygian). Extensive bibliographies, an up-to-date map showing the distribution of the Indo-European languages throughout the world

and a detailed family-tree diagram of the members of each subgroup and their interrelationships within the Indo-European language family complete the book.

Dr. Baldi is co-editor of *Readings in Historical Phonology* and one other book and has written a number of articles on his research. He is on the editorial board of *General Linguistics* and *Diachronica* and has been at the University since 1973.

Carol F. Kessler, assistant professor of English and American studies at the Delaware County Campus, is author of a book, *Elizabeth Stuart Plays*, published by G.K. Hall and Co., Boston.

Elizabeth Stuart Phelps (1844-1911) was the most consistently popular woman writer from the post-Civil War period to the turn of the century. She depicted and decried the barriers denying women personal and professional fulfillment.

She was the descendant of a family of Calvinist ministers, yet she rose against her strict conformist upbringing and became a writer, using her profession as "a woman's pulpit."

Dr. Kessler's book provides readers with an insider's view of Protestant socialization in the late 19th century America as seen through Ms. Phelps' eyes. It was an America where women's behavior was expected to reflect the moral ideals of men. Dr. Kessler examines the relationship between Ms. Phelps' life and her published works, with emphasis on the psychological outlets her writing provided her.

Dr. Kessler also discusses the novels,

short stories and essays (many of which were published in *The Atlantic Monthly*, *Harper's* and *Scribner's*) as well as the popular "Gates" series which was translated into four European languages.

She has another book coming out soon, *Daring to Dream: Utopian Fiction by United States Women Before 1920*, and has been invited to participate in the International Conference on Utopian Studies in Montecatini, Italy, this month.

William R. Schmalstieg, professor of Slavic Languages and head of the Department of Slavic Languages, is author of a textbook, *An Introduction to Old Church Slavonic*, published by Slavic Publishers, Inc., Columbus, Ohio.

This is the second edition of the book, which has been completely revised and expanded since the first edition in 1976. It is designed for four groups of students: those interested in Russian literature who want a general idea of Old Church Slavonic; those who want to relate Old Church Slavonic to their linguistic studies; those interested in Baltic linguistics; and those who want to continue their studies in South Slavic languages and linguistics.

The book has a large glossary and extensive index and contains the essentials of Old Church Slavonic grammar. It can be used as a beginner book for those interested in instructing themselves in Old Church Slavonic.

This new version also contains prayers in Old Church Slavonic and the planting of a vineyard, the success of the grape crop and the good flavor of the wine which is to be made from the grapes.

Dr. Schmalstieg also is author of two books published by Penn State Press: *An Old Prussian Grammar* (1974) and *Studies in Old Prussian* (1976). He is co-author with A. Klimas of the University of Rochester and the late L. Dambriunas, formerly of the University of Kansas, of *An Introduction to Modern Lithuanian*.

William H. O'Donnell, associate professor of English, is author of a book, *A Guide to the Prose Fiction of W.B. Yeats*, published by UMI Research Press, Ann Arbor, Mich. It is part of a series: *Studies in Modern Literature*.

He identifies the factors that led the young poet into prose fiction and provides detailed introductions to each of Yeats' stories and novels. Yeats wrote 23 short stories and two novels between 1887 and 1905.

Two major elements are prominent in Yeats' prose fiction. Most make use of Irish folklore and many reflect Yeats' continuing debate over the attractions and liabilities of the traditional quest of the occult. Yeats was strongly attracted by the possibility of men being able to gain immortality and supernatural wisdom.

His interest in prose fiction is not surprising since short stories were very popular in the 1890s. Like his early poetry, Yeats' stories exhibit his attraction to folklore and the occult.

His second novel, *The Spangled Bird*, begun in 1896 but abandoned in 1903, served partially as a step toward his deliberate change of style in the 20th century.

Appointments

Mary S. Neilly, editor in the College of Earth and Mineral Sciences for the past 10 years, has been named assistant to the dean for public relations.

The change has been made, Dean C.L. Hosler said, to reflect more accurately the duties Mrs. Neilly has been performing.

She edits *Earth and Mineral Sciences*, the college's 52-year-old semi-technical bulletin, and *Update*, an internal faculty and staff newsletter; serves as college liaison with the Office of Gifts and Endowments, Department of Public Information and Relations, and the Alumni Association; edits and coordinates publication of college fund-raising materials and brochures describing college programs; and performs a variety of other public and alumni relations tasks.

A native of Bellefonte, Mrs. Neilly received her B.S. degree in journalism from Penn State in 1947, and spent two years as advertising copywriter for a Harrisburg department store before joining the University staff in 1949 as managing editor of publications for the Alumni Association where she served until 1962.

She then held a number of part-time positions at the University, including

editor and news writer in the College of Science, research assistant in the Department of Geography, and editor in the College of Earth and Mineral Sciences. The latter position was made full-time in 1975.

Raymond E. Janifer, a part-time writer for The Norristown Times Herald, has joined the staff of the Office of Public Information and Relations as a writer/editor.

Janifer previously taught speech, English and creative writing at Harrisburg Area Community College for eight years and at the University of Southern California in the Upward Bound Program for two years.

A graduate of Jamesburg (N.J.) Area High School, he received his bachelor's degree from Millersville State College, where he participated in varsity basketball and track, in 1971. He also has earned master's degrees in writing from The University of Chicago and The University of Southern California.

Janifer is a member of the American Association of University Professors and Kappa Alpha Psi Fraternity.

Dr. Archibald J. McDonnell has been named director of the Institute for Research on Land and Water Resources.



Mary S. Neilly

He has been acting director since June 1982, when Dr. John C. Frey retired from the position.

Dr. McDonnell, professor of civil engineering, has served on the Water Resources Policy Advisory Committee of Pennsylvania's Department of Environmental Resources and the Great Lakes Research Advisory Board of the International Joint Commission.



Archibald J. McDonnell

He was named recipient in 1976, with Dr. Frank Pearson, of the J. James R. Crose Medal of the American Society of Civil Engineers for a paper on limestone stream barriers.

Dr. McDonnell earned his bachelor's degree in civil engineering in 1958 from Manhattan College and his master's degree and doctorate from Penn State. He joined the University faculty in 1963.

Promotions

Staff Exempt

R. Renee Shetlar to producer-director in Commonwealth Educational System. Richard Tennent to senior architect in Physical Plant.

Clerical

Cynthia Ault to clerk, receptionist in Health Services. Lou Ann Lambert to clerk, typist in Personnel Administration. Melanie A. McCusick to clerk in Personnel Administration. Kathleen M. Wolfe to clerk in Commonwealth Educational System. Marcy L. Zimmerman to clerk, stenographer in Engineering.

Technical Service

Charles A. Foote to linen handler at Hershey. Kevin W. Green to truck driver-laundry in Housing and Food Services. Cecelia L. Grove to coffee shop attendant at Hershey.

Obituaries

Dr. Robert M. Pockrass, 66, retired associate professor of journalism, died May 30.

Dr. Pockrass received his undergraduate degree in journalism at the University of North Carolina, a master's degree in journalism at the University of Illinois and a Ph.D. degree in mass communications research at Stanford University.

He joined the Penn State faculty Sept. 1, 1948, as instructor in journalism. He was promoted to assistant professor in 1951 and to associate professor in 1960. He retired July 1, 1977.

Prior to joining the University faculty, Dr. Pockrass worked for Fairchild Publications in New York, The Fitchburg Massachusetts Sentinel, The Union New Jersey Register and the Associated Business Publication in New York.

In 1967 he went on sabbatical leave to study the mass media in the South Pacific and the Orient.

Rachel J. Hunter, recorder in the Registrar's Office and secretary and administrative assistant in the College of

Education from Nov. 1, 1936, until her retirement July 1, 1967, died May 28. She was 79.

Ralph E. Garrett, maintenance worker in Physical Plant since April 23, 1979, died May 25 at the age of 47.

Naomi B. Vroman, laboratory attendant in the College of Agriculture from May 1, 1954, until her retirement Jan. 1, 1970, died June 1 at the age of 78.

Partings

Eleanor A. Cavanaugh, food production worker, Capitol Campus, from Sept. 27, 1967, to June 16.

Nevin H. Crater, intramural equipment and facilities worker, Health, Physical Education and Recreation, from March 23, 1970, to June 12.

Dorothy L. Evans, to clerk, bookstore, Beaver Campus, from Nov. 13, 1972, to June 1.

Staff Development

Supervisory Management II

Twelve previous graduates of the Basic Supervisory Management Course have completed the Supervisory Management II Course. They are:

Pat Balash, dining hall supervisor, Housing and Food Services; Mary Baylets, senior clerk, Continuing Education; Torsten Bjälme, accounting assistant, University Libraries; Laura Frye, secretary B, Business Administration; Naomi McCamley, administrative aide, Business Administration; Glenn Mulberger, supervisor of family housing apartments, Housing and Food Services.

Diane Mullen, registration clerk, Continuing Education; John Ream, manager, housing and food services, CC, Housing and Food Services (Altoona); Tony Rebuck, senior m/e engineer, Physical Plant; Kathy Rockey, secretary A, Science; Jean Rose, secretary A, Business Administration, Ruth Senior, library assistant, interlibrary loans, University Libraries.

Penn Staters

Jay Belsky, assistant professor of human development, is among eight U.S. social scientists currently in the U.S.S.R. for the U.S.-U.S.S.R. Seminar on Research in Human Development sponsored by the Commission on the Humanities and Social Sciences, an organization formed by the American Council of Learned Societies and the Soviet Academy of Sciences.

John A. Cook, professor of art, has designed the medal that will be presented to all members of the United States delegation and the heads of all other delegations at the XIX Congress of the Federation Internationale de la Medaille. He also is the head of the U.S. delegation to the Congress which will be held in Florence, Italy, in October.

Dr. John B. Frantz, associate professor of American history, presented a paper, "Community and Work as Concepts in Religious Thought Among the German Pietists in Eighteenth Century Pennsylvania" at a symposium in Krefeld, West Germany. The symposium commemorated the

300th anniversary of German emigration to America.

Robert Gannon, associate professor of English, is winner of the 1982 Lincoln Award for the best popular writing about the sport of soaring. The award, established in memory of Joseph C. Lincoln, whose writings of soaring (flying in engine-less aircraft) helped to popularize the sport, is displayed in the National Soaring Museum in New York.

Dr. Thomas A. Hale, associate professor of French and comparative literature, presented a paper entitled "Littérature orale: le discours comme arme de combat chez Aimé Césaire" at the World Congress on French Language Literatures held at the University of Padua, Italy. He also presented a lecture, "Aesthetics and Ethnography: Some Problems in Processing Oral Narratives," to the Folklore Department at the University of Budapest, Hungary.

Dr. John A. Hargleroad, director of University Health Services, has received the Ruth E. Boynton Award of

the American College Health Association for distinguished service to the association.

Dr. George T. Harrell, vice president for medical sciences emeritus and founding dean of the College of Medicine, has received an honorary doctor of laws degree from Duke University and an honorary doctor of science degree from Georgetown University. He also received the Distinguished Service Award of the University of Florida.

Dr. Edward Keynes, professor of political science, gave two invited lectures in May and June for Deutsch-Amerikanische Partnerschaft: Kooperation und Konflikt: at Friedrich-Naumann Foundation, Burg auf Fehmarn, and at Pedagogische Hochschule, Flensburg, West Germany. He will present an invited paper on National Security Decisionmaking at the Institute for National Security, Christian-Albrechts University, Kiel, W. Germany, in July.

Dr. Manfred Kroger, professor of food science; Dr. Roland M. Leach Jr.,

professor of poultry science, and Stephen B. Spencer, professor of dairy science extension, have been honored by Gamma Sigma Delta, honor society of agriculture. Dr. Kroger was cited for outstanding teaching; Dr. Leach for exceptional research, and Prof. Spencer for work with the Cooperative Extension Service.

Ross B. Lehman, retired executive director of the Alumni Association, has received the Lion's Paw Medal Award. A 1942 graduate of the University, he is the 19th recipient of the award, presented annually by the Lion's Paw Alumni Association. It honors people who have contributed notable service to the University, especially by fostering its traditions.

Murry R. Nelson, associate professor of education, has been awarded a Fulbright grant to lecture at the University of Iceland in Reykjavik, Iceland.

David L. Young, professor and head of the Department of Landscape Architecture, has been appointed to the State Board of Landscape Architecture.

Blackledge gives award monies to Renaissance Fund

Todd Blackledge, the quarterback who led Penn State to its first national championship, has given the \$10,000 in scholarship monies from his Davey O'Brien National Quarterback Award to the University's Renaissance Fund.

"Todd Blackledge's gift of \$10,000 to the Renaissance Fund will endow a perpetual grant," said A.M. Wellington, professor emeritus of counselor education and a member of the Renaissance Fund Board of Directors since 1971.

"Each year, a Penn State student with established financial need and demonstrated academic achievement will receive funds to complement all other

sources of aid as a result of Todd's thoughtful and generous contribution to the endowment of the Fund," he added.

Dr. Wellington, who said he was "delighted" by the gift, said it was the first football-related scholarship endowment to the Renaissance Fund in its 13-year history.

Established in 1970 by five University trustees, the Renaissance Fund provides scholarships of \$1,000 apiece for up to 100 students per year. Recipients are chosen because they show academic promise, but lack the resources to finance their education.

According to the Fund's motto, it serves

"the brightest among the neediest" of Penn State students. More than \$800,000 has been raised through private donations, special events and annual contributors' dinners.

Each year, the recipient of the O'Brien Award decides where the scholarship monies it includes should go. Mr. Blackledge said he wasn't sure at first which scholarship fund he would choose, but he knew he wanted the money to go where it would have lasting impact.

"I chose the Renaissance Fund because it came closest to what I want and it stands for the things I think are important, such as high academic standards. Also, it shows commitment. The students are not only financially needy, but they've done a good job and they're committed to continuing to do a good job," he said.

He added he felt very fortunate to have received a full four-year scholarship for his Penn State career and thought he probably wouldn't have been able to come

to the University without it.

"It's very easy to take it for granted, having that assistance," he said. "I know some people have to go home, get a job and work all summer. I never had to do that. Penn State's a great place. If it's just a matter of a couple thousand dollars for some people to come here, I want to do what I can to give it to them. It's really a great place."

Mr. Blackledge received the second annual Davey O'Brien National Quarterback Award at ceremonies in Fort Worth, Texas, in February. The award, sponsored by the Davey O'Brien Educational and Charitable Trust and the Fort Worth Club, is presented for competitive sportsmanship, scholarship, leadership and ability to inspire others.

It was established in memory of the late Davey O'Brien who quarterbacked Texas Christian University to the 1938 national championship and was the winner of the Heisman Trophy and the Walter Camp and Maxwell trophies.



A.M. Wellington, left, receives a check for scholarship monies from Todd Blackledge.

Dr. Gross will assume new position

Dr. Theodore L. Gross, provost and dean of the Capitol Campus for the past four years, will assume the position of dean of letters and science at the State University of New York at Purchase on Aug. 1.

"We shall miss Dr. Gross and the fine job that he has done as provost and dean at Capitol Campus," President Oswald said.

Dr. Gross assumed the role of provost and dean at Capitol in early 1979. He came to Penn State from New York, where he served as dean of humanities at The City College of New York.

He is author or editor of 12 books, including *America in Literature* and his most recent, *Academic Turmoil: The Reality and Promise of Open Education*. Currently he writes review-essays for *Change* magazine on issues in higher education.

A native of New York City, he earned his bachelor's degree at the University of Maine and his master's degree and Ph.D. degree from Columbia University. He has taught at the University of Nancy in France, at Bernard College, and at several other colleges and universities in Europe, Africa, and Asia.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., June 23, 1983. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap or age (as provided by law), sex, or status as a disabled or Vietnam era veteran.

Financial Aid Coordinator - Commonwealth Campuses, Office of Student Aid, University Park - Responsible to the assistant director of student aid for the administration of aid delivery activities, for counseling students, and for assisting in the internal administration and operation of all financial aid programs. Master's degree or equivalent in student personnel services, public administration, business administration, or other related field, plus up to one year of effective experience is required.

Assistant Coordinator, Residence Living Programs and Services, Capitol Campus - Responsibilities include the supervision of resident assistants, development of programming for students, maintenance of order in the residence halls, and act as the liaison with Housing and Food Service. Requires living in residence hall. Bachelor's degree in psychology, sociology or related field and up to two years of effective experience. THIS IS A TEN-MONTH APPOINTMENT, FROM AUGUST THROUGH MAY OF EACH YEAR.

Mechanical/Electrical Engineer II, Office of Physical Plant, University Park - Responsible to assigned senior engineering personnel for the design and preparation of working drawings and specifications for a variety of complex heating, ventilating, air conditioning, plumbing, electrical, utility, heating plant, power plant, and treatment plant systems. Bachelor's degree or equivalent in engineering or architectural engineering, plus engineering-in-training

certificate and from 36 to 42 months of effective experience in the development of electrical designs under the guidance of a registered professional engineer.

Curator, Pianos and Organs, College of Arts and Architecture, University Park - Responsible to the director of the School of Music for maintenance, tuning, regulation, and repair of approximately 100 University-owned pianos. Responsible for concert tuning for School of Music and University-sponsored concerts and for extensive piano repairs (stringing pinblocks, bridge and soundboard repairs, and complete action restoration). Formal piano technician's training or equivalent in conservation of musical instruments is required including over two years up to and including four years of effective experience. Membership in the Piano Technician's Guild is also required. An acute sense of tone and artistic appreciation of pitch differences in spinet, grand and baby grand pianos and organs is necessary and individual must be able to tune these instruments to concert quality standards.

Coordinator, Campus Residential Life, Schuylkill Campus - Responsible to the dean of student affairs for carrying out specific responsibilities for the residence hall program. Assume full responsibility for the residence hall in the absence of the supervisor. Bachelor's degree or equivalent, plus at least one to two years of effective experience is required; or a master's degree or equivalent in student personnel or related field with three to six months of residence hall experience.

Coordinator, Grants and Contracts, College of the Liberal Arts, University Park - Responsible to the associate dean for research and graduate studies for making decisions, interpreting policy matters and expediting documents concerning the preparation and development of proposals and contracts, as well as generating financial support from private and individual donors to increase outside support for college projects, research, instruction, and continuing education; act as primary contact for the College with the Office of Sponsored Programs, Continuing Education Business Office and the Controller's Office concerning contracts, miscellaneous funds, and budgets. Bachelor's degree (or equivalent) in economics, the social sciences or related field plus two to four years of effective experience in general administration or administration of grants and contracts. Computer experience or coursework desirable.

Admissions Counselor I (Minority Emphasis), Office of Undergraduate Admissions -

Responsible to the associate or assistant director of admissions for general assistance in handling of the more routine admissions matters in an assigned regional area. Participate in and administer admissions activities for freshmen, advanced standing, transfer, provisional, and nondegree students who are baccalaureate or associate degree candidates for University Park Campus and for assigned Commonwealth Campuses and Behrend College. Major assignment will be the recruiting and admission of minority students. Bachelor's degree (or equivalent) plus six to nine months of effective experience in educational administration. A record of participation in and contribution to extracurricular or avocational or civic activity desirable.

Director, Medical Center Information Services, College of Medicine, Hershey - Responsible to the senior associate hospital director for developing and managing computerized information systems which serve the hospital, clinics and medical school of the M.S. Hershey Medical Center; participate in the formation of policies and procedures as a member of the senior management group of the hospital; also is directly responsible for the articulation of all policies and procedures relating to hospital information systems and for directing, coordinating and managing hospital operations pertaining to information systems.

Bachelor's degree in computer science, a scientific discipline or equivalency (master's degree preferred) plus four to seven years of effective experience.

Assistant Hospital Director/Director of Financial Affairs, College of Medicine, Hershey - Responsible to the senior associate hospital director for the development, interpretation, coordination, and administration of the hospital's policies on finance, accounting, insurance, admitting, internal controls, auditing, and maintenance of records and procedures. Bachelor's degree with major in accounting or equivalency with five to seven years of effective experience (preferably in a university teaching hospital).

Field Director, Penn State Alumni Association, University Park - Responsible to the executive director of the Alumni Association for representing The Pennsylvania State University and the Alumni Association in increasing public understanding of the University's goals and problems, for increasing alumni participation in University affairs, especially through the network of Penn State Clubs, and for assisting the general association with its overall program. Bachelor's degree or equivalent plus four to five years effective experience in administrative positions and organization structures, working closely with development of organizational programs required.

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Journalism School director appointed

R. Dean Mills, vice chair of the Department of Communications at California State University at Fullerton, has been appointed director of the School of Journalism.

"Dr. Mills has an extraordinary blend of experience as a journalist here and abroad and academic achievement qualifying him for this position," says Dr. Stanley F. Paulson, dean of the College of the Liberal Arts.

An Iowa native, Dr. Mills, 39, has reporting experience on several newspapers including eight years on the

Baltimore Sun where he served successively as Moscow Bureau chief, U.S. Supreme Court and Justice Department correspondent and as diplomatic correspondent.

His stories included the first exclusive interview by a U.S. reporter with Soviet Premier Leonid Brezhnev, the origins of the Soviet democratic movement and the opening of the SALT talks in Helsinki.

Dr. Mills left the Sun to be visiting lecturer at the University of Mississippi in 1976. Later that year, he joined the faculty of the University of Illinois. In 1979, he

went to California State-Fullerton as an associate professor and was promoted to professor in 1983.

A 1965 graduate of the University of Iowa with bachelor's degrees in journalism and Russian, Dr. Mills received his master's degree from the University of Michigan and his doctorate, in communications, from the University of Illinois.

His professional interests include international communication, the ethics of professional journalists and the history of the freedom of the press.



R. Dean Mills

Faculty and staff support University programs

Payroll deductions by University faculty and staff in support of Penn State programs reached an all-time high last year.

Since July 1, 1982, more than 380 individuals contributed over \$33,000 to Penn State — doubling 1981 figures and setting a pace for future gift-giving. This year's average gift was \$92.

"It's gratifying to note that an increasing number of our Penn State family notably have recognized the need to help advance the University," Joseph J. Mansfield, vice president for development, said.

In the 1981-82 fiscal year a total of \$18,362 was deducted monthly or bi-weekly from University faculty and staff payrolls.

Each individual voluntarily designates to which University programs the funds should be designated to through the Office of Gifts and Endowments. Designations include programs such as the libraries, scholarships, cultural activities, athletic grants and campus and college programs.

Instructions and authorization forms recently have been mailed to employees for the 1983-84 Annual Fund Year. These

forms should be returned to the Office of Gifts and Endowments. Deductions will begin with the first pay period after the form is received or when designated and will continue according to the individual's preference.

Additional forms are available from the Office of Gifts and Endowments, 23 Willard Building or by calling, 865-6588. Confidentiality concerning the nature of a contributor's gift is assured.

"We, as individuals, associated with a major institution of higher education should recognize the special responsibility that must be shared in Penn State's

commitment to maintain excellence," Mr. Mansfield said.

"A small monthly or bi-weekly deduction can add up to a significant amount over a period of time. Even in these difficult times Penn State is setting new records in private philanthropy. I am sure that our own faculty and staff will continue their record-setting support for 1983-84."

Dr. Oswald: University's future is bright

The following interview is reprinted with permission from the Centre Daily Times.

By Christopher Fitzgerald
John W. Oswald has guided Penn State through the stormy days of student activism, budget battles with state legislators, and up to the scheduled switch to a new semester system.

If he has any regrets, he said, they involve the fact that whenever he devoted his time to one area, he was criticized for ignoring others.

In a nearly two-hour interview with the

Centre Daily Times, Dr. Oswald discussed his career, noting his successes as well as his failures during 13 years in office.

Scheduled to retire June 30, Dr. Oswald will be succeeded by Bryce Jordan, executive vice chancellor for academic affairs at the University of Texas system.

Dr. Oswald and his wife Rose will move to their new house in Philadelphia's Chestnut Hill section, and soon after June 30 will be off to Switzerland for a meeting of one of the corporate boards he will serve on.

Dr. Oswald said he has laid a solid

foundation for the future, and he reiterated what he said in his commencement speech last month: "I feel really sort of bullish about Penn State at this particular time."

Looking back two weeks before his retirement, Dr. Oswald said that over the years he has tended to focus on the issue of the moment. He added that he wishes he "could have allocated my time to where I didn't, from time to time, appear to be leaving out, for a while, a whole given section of the institution."

"This is sort of my nature of working," he continued, reflecting on his tenure as Penn State's 13th president. "I get my work done in all the areas — certain work that has to be done — but I do consciously concentrate on certain things until we get them resolved."

In retrospect, he said, "I could have adjusted my time better. That would certainly be a criticism."

As one of his top achievements, Dr. Oswald stressed the financial planning that has kept Penn State's budget balanced despite declining state appropriations.

He is also proud of how the Milton S. Hershey Medical Center has gone from "tentative beginnings" to gain national and international stature.

Dr. Oswald feels he has also improved the University's profile within the state. "When I came here Penn State clearly was viewed by many institutions in the state, both public and private, as an octopus."

Other schools, he said, thought "it really didn't care about the future of anything but Penn State and took no responsibility about being the biggest institution in the state."

He plunged into the task of improving relations with the state's other colleges

and universities, he recalled.

He is also proud of "opening up the University. I think there tended to be a little secretiveness within the institution." When he arrived at the University, Trustees met privately and students did not participate in governing the University as they do now.

"The Trustees now have six meetings a year in front of everybody," he said. "All of their committees are in front of everybody. Students can participate in Trustee meetings, faculty can participate in Trustee meetings; students can participate in faculty meetings; students participate in meetings with me."

As he charted the various eras of his presidency, Dr. Oswald said that people who charge him with being inaccessible are wrong.

"I've spent an awful lot of time with the (financial) books, and I think the University is fortunate that I have," he said. "But the time I spent with that was time that I did not spend with students and with faculty."

In his early years he was criticized for doing just the opposite. When he arrived in 1970, students were concerned about the draft and the Vietnam War. They questioned the traditional role for a university in society.

Dr. Oswald spent much of his time talking to students, going to the Hazel Union Building and the residence halls to let them know that he was listening.

He arrived at Penn State during student unrest, two months after Kent State. At Penn State, students had thrown rocks at President Eric A. Walker's mansion on campus and taken over Old Main. Tension was high. At one point 600 State Police were called in to suppress the demonstrations.

(Continued on page 2)



John W. Oswald

Penn Staters

Dr. Richard G. Cunningham, vice president for research and graduate studies, has been appointed to a two-year term on the national Council on Governmental Relations. The Council is comprised of representatives from leading research universities who serve as advisers to the federal government on policies, regulations and practices which affect university research.

Dr. Carol V. Gay, senior project associate in the Molecular and Cell Biology Program, was a plenary speaker at the annual meeting of the American Society for Bone and Mineral Research. Her paper was entitled "The Isolation of Multinucleate Osteoclasts."

Dr. Kathryn M. Grossman, associate professor of French, and Dr. Carol Farley Kessler, assistant professor of English, presented invited papers at the First International Conference on Utopian Studies this May at the Università degli Studi di Reggio Calabria in Italy. Dr. Kessler's paper, "Daring to Dream: Utopian Fiction by United States Women," expanded on material from her forthcoming book on the subject. Dr. Grossman spoke on "Woman as Temptress: The Way to (Brotherhood in Science Fiction Utopias."

Dr. H. Reginald Hardy, Jr., professor and chairman of the Geomechanics Section of the Department of Mineral

Engineering, has received the 1983 C. A. Hogenotger Award of the American Society of Testing and Materials (ASTM) for his paper on "Applications of Acoustic Emission Techniques to Rock and Rock Structures."

Patricia Heigel-Tanner, assistant professor of physical education, has been elected president of the Central Pennsylvania Arts Council.

Dr. Peirce Lewis, professor of geography, has assumed the presidency of the Association of American Geographers. He is the second University geography faculty member to hold the position. Dr. Wilbur Zelinsky served as the AAG president in 1972-73.

Dr. Michael J. Mahoney, professor of psychology, has been awarded a 1984 Fulbright Scholar fellowship for six months to study psychotherapy and human change processes at the Psychiatric Institute of the University of Rome.

PENNTAP, a program administered by the University, and its director, Dr. H. LeRoy Marlow, have been selected for listing in the national "Who's Who Directory for Minority Business Developments." The directory honors policy makers and services for their

supportive achievements toward minorities.

Wolfgang E. Meyer, professor emeritus of mechanical engineering and former head of the Automotive Research Program at the Pennsylvania Transportation Institute, has received the Tilton E. Shelburne Award of the American Society of Testing and Materials (ASTM) for outstanding work in the committee's activities — the stimulation and development of research, knowledge, and standards for determining the frictional roughness properties of pavements and other traveled surfaces.

Dr. G. Kenneth Nelson, professor of accounting, has been elected vice-president of the Pennsylvania Institute of Certified Public Accountants. The PICPA is the second oldest and fifth largest professional association of CPAs in the country, with nearly 12,000 members.

Dr. Richard R. Parizek, professor of hydrogeology, served this spring as the sixth Birdsall Distinguished Lecturer named by the Hydrogeology Division of the Geological Society of America. He gave a total of 18 lectures, speaking at 14 institutions of higher education and to a number of research groups. His lecture topics were "Environmental Cost of Coal from a Hydrogeological Perspective," "Hydrologic Significance

of Fracture Traces and Lineaments," and "Geological Controls on Karst Aquifer Development."

James H. Prout, associate professor of engineering research; Dr. Robert W. Reed, assistant professor of physics, and Harold M. Frost, formerly with the Applied Research Laboratory, have received U.S. Patent No. 4,380,931 for their invention, "Apparatus and Method for Quantitative Nondestructive Wire Testing." The patent has been assigned to the Department of the Navy.

Lester E. Rishel, research assistant in forestry, has received the Outstanding Use of Wood Award given by the Northeastern Loggers' Association and The Northern Logger Magazine for creating works that are artistic as well as functional.

Dr. Ronald A. Smith, professor of physical education, has been elected secretary-treasurer of the North American Society for Sport History, which publishes the *Journal of Sport History*.

Howard O. Triebold Jr., manager of safety, has assumed the chairmanship of the Campus Safety Association. More than 1,200 higher education institutions in the United States and Canada are affiliated with the Association.

Obituaries

Glenna E. Harris, instructor in physical education and women's basketball coach at the Shenango Valley Campus, died June 10. She was 38.

Miss Harris received a bachelor's degree in physical education from Slippery Rock State College and a master's degree from Kent State University.

She taught and coached at Sharpsville High School for 11 years before joining

the faculty at the Shenango Valley Campus on Sept. 1, 1978. Her teams won the Commonwealth Campus League Championship for the last eight years and accumulated more than 100 victories.

John P. Timchak, residence hall worker in Housing and Food Services since Nov. 12, 1972, died June 9 at the age of 49.

Mary A. Dean, residence hall worker in Housing and Food Services from July 1, 1956, until her retirement Dec. 12, 1970,

died June 10. She was 73.

Partings

Edward J. Tamalavage, janitorial worker, Berks Campus, from July 17, 1972, to June 17.

Clarence M. Umbower, carpenter, physical plant, from May 11, 1970, to June 11.

Ralph T. Heimer, professor of education, from Sept. 1, 1966, to June 1.

Bernice E. Coakley, food service worker, Housing and Food Services, from Feb. 2, 1968 to May 24.

Alma Z. Mosonyi, centrex operator, Hershey, from Dec. 6, 1971, to May 28.

Samuel C. Graci, audio visual materials specialist, Commonwealth Educational System, from Nov. 29, 1972, to May 1.

Oswald

(Continued from page 1)

But things were even worse at the University of California at Berkeley, where he was executive vice president for the University of California system before arriving at Penn State. "I spent more time with the National Guard at Berkeley almost than I did with some of my immediate associates," he said, "trying to use the Guard in a sensible way."

Upon coming to Penn State, "It was very clear to me that this campus, as were most, was populated with a group of students that needed to be assured," he said, "and I don't mean in a fairy tale kind of business, but assuring them that someone is listening and to try to point out that what their concerns were were the concerns of all of society."

While that approach won him the nickname "Jack the Rapper" and made him popular with the students, it was to cause him trouble with the Trustees.

"I lost support on the Trustees," he remarked. There was a "feeling that I was spending too much time with students," he said. They would say, "You were brought here to manage a half billion dollar budget, and to be doing it in this office at that desk. And you were not hired to be out to see how many students you could see."

The hectic pace he maintained was physically devastating. On June 10, 1971, he suffered a heart attack that left him in a coronary care unit, unable to attend his inauguration.

The ceremony was to be part of spring commencement. He had invited Chief Justice of the Supreme Court Earl Warren to speak, but the heart attack prevented

him from listening to what turned out to be Justice Warren's last public address before he died.

"We all have our special heroes, and Earl Warren has been mine," he said of the man known for his outspoken liberal views on civil rights.

While Dr. Oswald regained his health, the Trustees seriously considered asking for his resignation. In the fall of 1971, the board voted on a motion to remove him from office. He survived, barely, on a 15-to-40 vote.

While student activism flared up again in spring 1972, when President Richard Nixon mined Haiphong Harbor, Dr. Oswald spent the next several years devoting his time to managing Penn State's huge budget.

The golden era for higher education, when universities were "golden cows" that got more money than they requested, was about to come to an end. The 1973 recession hit Penn State hard, and "we had our first zero appropriation," he said. It made clear the need to "institute some long-range steps to keep this institution on a strong base."

During those years, he started a budget recycling program designed to reallocate funds within the University. While it started on a modest scale, it has become an ever bigger part of the budget process. More than \$27 million to date has been returned to the general budget by the University's various academic and administrative units.

By 1975-76, it was the faculty's turn for getting the president's attention. With a move for unionization growing stronger, Dr. Oswald let it be known that he opposed collective bargaining for the faculty.

Because of faculty concerns about its role, he "spent much more time in a couple of years in there working with the faculty, with the Senate. I urged the Senate to make an analysis not of what we should do but what the implications of unionization would be."

The Senate recommended that faculty be given a greater role in governing the University, and when its proposals were adopted, Dr. Oswald said he became "sort of a hero of the faculty."

But the time spent in the mid 1970s with finances and faculty issues caused students, who had not been around during his "Jack the Rapper" days, to call for his dismissal. They felt he ignored them, and they denounced his "lavish" lifestyle and "expensive" entertaining. The Trustees had no intention of getting rid of him.

The parties, Dr. Oswald said, were part of a new emphasis on private fund-raising, a program that has continued to grow. When he came to Penn State, some of the Trustees, he said, thought that "if somebody would give us a check for \$1 million, somebody in the legislature would decide that 'We can subtract a million dollars from Penn State's appropriation.' Therefore, private gift support was just something we shouldn't be really involved in."

With a new vice president for development, Joseph J. Mansfield, Penn State is now raising in the neighborhood of \$15 million a year.

In 1977, the faculty voted against unionizing, ending that era and allowing Dr. Oswald to turn once again to the University's growing budget problems.

That was also "the bad year of '77, when they stole our money to balance the

state budget and left us waiting until taxes were passed," he said, remembering the state legislature's drawn-out budget fight that summer.

Ever since then, with the state's fiscal situation getting grimmer and grimmer, Dr. Oswald said he has "devoted a lot of time to the financial affairs of the University."

But with retirement imminent, soon he will no longer have to worry about the annual budget fight, or about what the students and faculty think of him. But he is insistent that criticism of his presidency comes from people who ignore concrete accomplishments.

While the Commonwealth Campuses, for example, have long been burdened with an inferiority complex, he feels he has "given the necessary support to the institutions, the Commonwealth Campuses, to assure their remaining a strong element within the University."

Students who criticize him for ignoring them, he said, themselves ignore that he put students on the Board of Trustees and created the Student Advisory Board, with which he has met regularly over the years.

The best proof of his positive relations with students, he said, noting many editorials in *The Daily Collegian* criticizing his presidency, is the standing ovation seniors gave him at commencement.

"I was very disappointed that there was this way in which I could be portrayed as being anti-student and so forth," he said. "I believe so deeply in the necessity of the student participating in this. But see, some of these students who write these negative things, feel that all these things they're enjoying have been around for 50 years."

Appointments



Bryan J. Van Deun

Dr. Frederick W. Lampe, professor and assistant head of the Department of Chemistry, has been named head of the department. He succeeds Dr. Joseph A. Dixon, professor of chemistry, who headed the department for 13 years, and is returning to full-time teaching and research.

Dr. Lampe joined the University faculty as an associate professor in 1960. He was promoted to professor in 1965 and became assistant head of the department in 1978. He served previously for seven years as a research chemist at the Humble Oil and Refining Company.

A specialist in free-radical reactions, free-radical reactions and mass spectroscopy, Dr. Lampe is the author of over 130 research papers published in scientific journals and co-author with Dr. Harry Alcock, professor of chemistry, of the book, *Contemporary Polymer Chemistry*. He also holds five patents.

Since joining the faculty, he has held visiting professorships at the University of New Hampshire; the Albert-Ludwig University in Freiburg, Germany; and the Hahn-Meitner Institute for Nuclear Research, Berlin, Germany. He also has won a National Science Foundation Senior Postdoctoral Fellowship, a U.S. Senior Scientist Award of the Alexander von Humboldt Foundation in Bonn, Germany, and a Robert A. Welch Foundation Lectureship in Houston, Texas.

A native of Amityville, N.Y., Dr. Lampe earned his bachelor's degree at Michigan State College and his master's and doctoral degrees at Columbia University. He is a member of the American Chemical Society and Sigma Xi scientific honorary and a fellow of the American Physical Society. He recently completed a term as a director of the American Society of Mass Spectroscopy.

Dr. Dixon earned his bachelor's, master's and doctoral degrees at Penn State. He joined the chemistry faculty in 1947 as an instructor and, in 1951, was promoted to assistant professor. A few months later, he went to California Research Corporation as a project leader but, a year and a half later, returned to Pennsylvania as an associate professor at Lafayette College. He re-joined the



Frederick W. Lampe

University faculty in 1955 and advanced to full professor in 1961. In 1967, he was named assistant head of the department and head in 1970.

Dr. Stanley N. Miller, professor of social science and education at the Capitol Campus, has been named acting provost and dean of the campus. He will serve in the acting role following Dr. Theodore L. Gross, who has accepted a position as dean of letters and science at the State University of New York at Purchase.

In announcing Dr. Miller's appointment, President Oswald noted that the selection was made "after full consultation with a number of people, including faculty and staff members, and with the agreement of incoming president Bryce Jordan. Dr. Jordan and I agreed, in making the appointment, that it is highly important to maintain close coordination at all levels during the transition period."

"Dr. Miller has a long-time acquaintance with and strong commitment to Capitol Campus, its programs, plans and priorities. Dr. Jordan and I are confident that he will continue the momentum that Dr. Gross has started at the campus in a variety of areas. We are grateful to him for agreeing to serve in this capacity."

Dr. Oswald said that, after Dr. Jordan assumes office, the new president will take the necessary steps to find a permanent successor to Dr. Gross.

Dr. Miller joined the Capitol Campus faculty in September 1966, the year the campus was founded, and in 1979 became chairman of the education program. He had served as director of the Bureau of General and Academic Education in the Pennsylvania Department of Education for four years.

A graduate of Wisconsin State University at Wausau, Dr. Miller received his M.A. and Ed.D. degrees in social science from George Peabody College for Teachers of Vanderbilt University in Nashville. He taught at Louisiana Polytechnic University and Kansas State University before joining the State Education Department in 1960 as a curriculum planning specialist.

Dr. Miller is a member of Capitol's Administrative Council, and recently



Stanley N. Miller

served on the Middle Atlantic States Evaluation Team for the review of the College of Staten Island. He has served on numerous teacher evaluation teams for the State Department of Education and is the author of numerous articles and professional papers.

Jack R. Rayman, career development and placement officer for the College of Sciences and Humanities at Iowa State University, has been named director of the Career Development and Placement Center.

"Dr. Rayman's selection is the result of a national search for a highly qualified individual to fill this increasingly important position," says Dr. Richard E. Grubb, senior vice president for administration. "Penn State's on-campus interviewing program, administered through the Career Development and Placement Center, is recognized by employers as one of the largest and most efficient of its kind in the country."

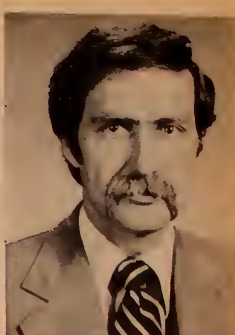
The search for a director of the center began after Dr. Richard G. Swails, its former head, was named director of corporate relations for the University in February.

Dr. Rayman, 38, has been in charge of the center at Iowa State's College of Arts and Sciences since 1978. That center serves more than 8,000 students. In addition, he teaches in Iowa State's Department of Psychology.

A nationally known consultant in the field of computerized career development, Dr. Rayman served for six years on the board of DISCOVER, a foundation that maintains, develops and disseminates computerized career guidance and development systems. He was president of the DISCOVER Foundation from 1978 to 1980 and was associate director of the original DISCOVER project from 1974 to 1976.

Before going to Iowa State, Dr. Rayman was on the faculty of Western Maryland College for three years, where he also was active in development of computerized career guidance systems.

Dr. Rayman received his bachelor's degree from Iowa State University and his doctorate — focusing on counseling



Jack R. Rayman

psychology, college student personnel administration and higher education — from the University of Iowa. After earning his undergraduate degree, he spent three years in Malaysia as a volunteer tutor for the Peace Corps.

Dr. Bryan J. Van Deun, associate dean of students at Lock Haven State College, has been appointed associate executive director for alumni relations of the Penn State Alumni Association.

In the position, he will be responsible for developing and implementing the Association's legislative and public relations programs through Penn State clubs, College and Commonwealth Campus Constituent Societies, special programs, and other means.

A graduate of Franklin College of Indiana, Dr. Van Deun received the master of science degree in higher education administration from Iowa State University and the doctor of education degree, also in higher education administration, from Penn State.

He served as assistant director of admissions and financial aid at Franklin College and as assistant coordinator of financial aid at Iowa State. He joined the Lock Haven staff as director of financial aid in 1974 after having served one year as director of financial aid at Fairleigh Dickinson University. He was named associate dean of students in 1977.

Dr. Van Deun is a member of the National Association of Student Personnel Administrators, Pennsylvania Association of Student Personnel Administrators, Phi Delta Kappa, and Phi Kappa Phi.

At Lock Haven, he served as chairman of the Graduate Studies Committee, Athletic Policy Advisory Committee and the Disaster Planning Committee, and as a member of the Academic Recognition Committee and the Professional Development Committee.

In the community, he has been chairman of the Clinton County Family Planning Advisory Board, manpower chairman of the Clinton County Disaster Planning Committee, and a member of the Human Relations Advisory Board.

Promotions

Staff Exempt

Philip G. Burris to assistant supervisor, property inventory in Controller's Office. Edgar H. Eckley to supervisor, property inventory in Controller's Office.

David T. Gingham to assistant manager, HUB Food Service in Housing and Food Services.

John E. Grant to assistant director, telecommunications in Commonwealth Education System.

Lynn M. Kann to assistant manager, medical records at Hershey.

Joyce D. Keenan to assistant director, operations management in Student Administrative Services.

Donald E. Leitell to contracts and proposal specialist in Vice President for

Research and Graduate Studies.

Carole A. Mancuso to coordinating nurse, animal operating room at Hershey.

James J. McGeehee to regional assistant director, Agriculture at Berks.

Doris Postles to dining hall supervisor in Housing and Food Services.

Brownen J. Wagner to assistant director, Commonwealth Campuses in Student Administrative Services.

Staff Non-Exempt

Harold Brungard to building inspector in Physical Plant.

Paula S. Keeney to documents services assistant in Libraries.

Jill D. Shafer to senior radiotherapy technologist at Hershey.

Clerical

Nadine Bressler to clerk, typist B in Engineering.

Judy I. Hoy to secretary B in Gifts and Endowments.

Brenda S. Keller to clerk, typist A in Arts and Architecture.

Becky A. Maurer to clerk, records A in Registrar.

Technical Service

Thomas W. Barner, Jr. to maintenance worker area landscape in Physical Plant.

Daniel Brooks to group leader, operation and distribution in Commonwealth Education System.

Robert J. Fry to maintenance worker area landscape in Physical Plant.

George J. Kulbago to maintenance worker, utility in Applied Research

Laboratory.

Dennis L. Smith to residence hall preventive maintenance worker in Housing and Food Services.

George M. Taylor to group leader, driver/service attendant in Business Services.

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Calendar

June 30 — July 14 Special Events

Thursday, June 30

Commonplace Theatre, *A Night at the Opera*, 7 and 9 p.m., 112 Kern.

Friday, July 1

Drop deadline (8 week session).
Preregistration deadline (Fall 1983).

Tuesday, July 5

17th Annual Central Pennsylvania Festival of the Arts (CPFA), Opening performances and dancing, 7 p.m., Old Main Lawn. Gallery exhibitions, open all week.

Shaver's Creek Environmental Center, Summer Twilight Hike, 7:30-9:30 p.m. Information, 238-5872.

Wednesday, July 6

Late registration deadline (6 week session).

Add deadline (6 week session).
CPFA, Young People's Day, sidewalk artists and performers, 10 a.m.-5 p.m. Performing arts features in the evening: A Blues Singer, Susannah McCorkle, from New York and Ta-Ra-Ra-Boom-De-Ay: An Old American Music Hall Show.

Thursday, July 7

Pass-Fall (6 week session). Also July 8, 11.
CPFA, annual sidewalk sale and exhibitions, noon-8 p.m. Performing arts features: Broadway Review, Square Dancing, and Fred Waring and the Youth Chorus.

Friday, July 8

Board of Trustees meeting, Worthington Scranton Campus. Also July 9.
CPFA, annual sidewalk sale and exhibitions, 9 a.m.-8 p.m. Performing arts features: Divisland Band Contest, Sing-Along, Story Telling, and the Nittany Valley Orchestra.
Slice of Life, film showcase and forum, 3-5 p.m., Schwab Auditorium; 1 and 7 p.m., Kern Lobby. Also July 9.
Commonplace Theatre, *Arthur*, 7 p.m.; *The Wall*, 9 p.m., 112 Kern. Also July 10.
Artists Series, Doc Watson, folk singer and guitarist, 8:30 p.m., Eisenhower Auditorium.

Saturday, July 9

CPFA, annual sidewalk sale and exhibition, 9 a.m.-8 p.m. Performing arts features: Fiddle Competition, Folk Singers, '50s Music and Dance performances, and a production of *Tom Sawyer*.
France-Cinema, Beines, Drive, 7 and 9 p.m., 112 Kern. Also July 11.

Sunday, July 10

CPFA, annual sidewalk sale and exhibition, 10 a.m.-6 p.m. Performing arts features: Steel Band, Dance Band, Choral Music, Ragtime Piano Competition.

HUB Eateries, Brunch, 10:30 a.m.-1:30 p.m., Founder's Room.
Shaver's Creek Environmental Center, Clean-up! Paint-in! Fix-up!, 4-8 p.m. Registration, 238-5872.

Monday, July 11

Drop deadline (6 week session).

Tuesday, July 12

Shaver's Creek Environmental Center, Wild Foods with Evelyn Snook, 10 a.m.-2 p.m.; Summer Twilight Hike, 7:30-9:30 p.m. Registration and information, 238-5872.

CSA Assembly meeting, 7:15 p.m., 101 Kern.
CSA Explazaganza film, New York, New York,

dusk, Fisher Plaza.

Thursday, July 14

Festival Theatre, *The Dining Room*, 8 p.m., Pavilion Theatre. Also July 15-17, 19:24, 26-31. Sunday performances at 7:30 p.m.

Exhibits

Chambers Gallery

Gallery Hours: 9 a.m.-5 p.m., weekdays.
Central Pennsylvania Festival of the Arts Children's Exhibit, opens July 5.

Kern Gallery

July Byron, calico fabric work, opens July 5.
Central Pennsylvania Festival of the Arts Juried Photography Exhibition, opens July 5.

Museum of Art

Museum hours: 11 a.m.-4:30 p.m. Closed Mondays. Tours, Sundays, 1:30 p.m. Special hours during CPFA, July 7-9, 11 a.m.-8 p.m.
Gunnar Norman, recent drawings and graphics, through July 10.
Waterways of Pennsylvania, drawings and prints by Diane Burko.
Central Pennsylvania Festival of the Arts juried crafts exhibition, opens July 3.

Pattee Library

East Corridor Gallery:

Graphics on Nuclear War, the Unitarian Fellowship Center.

Charles Hollingsworth, Jr., paintings.

Lending Services Lobby:

Charles Hollingsworth, Jr., paintings.

Black Studies Room:

Exhibit on the Life and Work of Eubie Blake

Visual Arts Zoller Gallery

Gallery hours: 9 a.m.-5 p.m., weekdays.
Posson Sing, paintings, through July 1.
Central Pennsylvania Festival of the Arts Show, opens July 5.

Folk singer Watson to present concert

Doc Watson, one of America's most versatile folk singers, will be presented by the Artists Series at 8:30 p.m. Friday, July 8, in Eisenhower Auditorium. The concert coincides with the Central Pennsylvania Festival of the Arts.

Considered to be the greatest "flat-picker" working today, Doc Watson is a singer of charm and depth.

Blind since birth he savors life through his fingers. "I can feel what an audience is like just as if I can see them," says Doc.

Husky, easy going and seemingly unperturbed by his blindness, Watson has played and sung folk music from early childhood. His mother was a fine ballad singer and his father a banjo player. He has won four Grammy awards and his recent television credits include appearances on the Tonight Show and the John Davidson Show.

Watson usually traveled alone with a white cane and a scarred guitar but now his son Merle, an excellent instrumentalist on banjo and guitar, accompanies him. Appearing with the Watsons for the Eisenhower concert will be T. Michael Coleman on electric bass.

Tickets are now on sale at Eisenhower Auditorium, weekdays 9 a.m. to 4 p.m. During the Central Pennsylvania Festival of the Arts tickets will be on sale at the Artists Series Festival Booth on the steps of Schwab Auditorium on Thursday, July 7, noon to 5 p.m., and on Friday, July 8, 9:30 a.m. to 4 p.m. Any remaining tickets will go on sale at the door beginning 7 p.m. Friday.



Doc Watson

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., July 7, 1983. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (FE-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap or age (as provided by law), sex, or status as a disabled or Vietnam era veteran.

● **Assistant to the Director of Student Programs and Services, Office of Student Affairs, McKeesport Campus** — Responsible for the development and administration of campus programs aimed at recruiting and retaining minority students; coordinates the Educational Opportunity Program; assists with a variety of other student programs and services at the campus. Master's degree (or equivalent) in student personnel administration, counseling or related field, plus six to twelve months of effective experience, or a bachelor's degree (or equivalent) plus one to two years of effective experience.

● **Assistant to the Dean for University Relations, College of Human Development** — Responsible to the Dean of the College of Human Development and to provide liaison with the Office of Public Information and Relations for assisting in planning, developing and implementing university relations programs for the College. Responsibilities include assisting in developing proposals for private support of students, faculty and programs,

coordinating fund-raising efforts with Office of Gifts and Endowments, and writing and editing news releases, feature stories and articles.

Bachelor's degree or equivalent in journalism, English or related field plus two-to-three years experience. Newspaper, wire service or public relations experience preferred. THIS IS A REANNOUNCEMENT OF THE POSITION THAT APPEARED IN THE MARCH 31, 1983 ISSUE OF THE PENN STATE INTERCOM. THOSE WHO PREVIOUSLY APPLIED DO NOT NEED TO REAPPLY.

● **Assistant to the Dean for Public Information and Relations, College of Arts and Architecture, University Park** — Responsible to the Dean, College of Arts and Architecture Director, University Arts Services for organizing and conducting ongoing promotional, media and public relations activities to increase the visibility and enhance the reputation of the College and Arts Services. Supervise the development of the College of Arts and Architecture Alumni Society and all programs and projects relating to it; coordinate and edit printed materials; develop video and slide-show programs; assist the dean in the preparation of various presentations; and work with the development officer and other staff administrators in the coordination of various projects and activities. Bachelor's degree in journalism, English or related field, plus four to five years of experience, preferably in the arts or communications.

● **Coordinator of Publications/Public Relations, College of Medicine, Hershey** — Responsible to the director of public relations for the preparation of various publications and information to be released internally or to the public, and assist in the development, implementation, and management of various programs to accomplish the goals and objectives of the Public Relations Department. Bachelor's degree (or equivalent) in journalism or related field plus one to two years of effective experience in writing and editing publications. Knowledge of printing procedures and news media practices is required.

● **Management Trainee, Office of Physical Plant, University Park** — The management trainee will be responsible to assigned management personnel for performance and training in a wide variety of administrative and managerial duties. Will proceed through a structured program toward the ultimate goal of

obtaining well-rounded management experience and/or knowledge in all major areas of Physical Plant Administration. Final assignment is not pre-determined or guaranteed. A bachelor's degree in business administration or a related field. Some experience would be helpful, but not required. This is an entry level position.

Research position open

Applications are being accepted for the position of research assistant, Research Working Collection, Center for Research, College of Business Administration.

The research assistant is responsible for the operation of the Research Working Collection, use of computer to access bibliographic data bases for research and the Pennsylvania Economic Analysis Program. Also faculty members with materials needed for research.

Also work with faculty representatives responsible for the liaison between the Working Collection and their respective

faculties. Act as liaison with the Pattee Library and its professional staff. This is a Fixed Term I position with funding beyond 1984 probable.

Qualifications include a master of library science degree, plus two years of effective library experience. Experience in computer use and accessing bibliographic data bases desirable. Application deadline is July 15, 1983.

Applicants should send resume to Dr. Paul H. Rigby, Director, Center for Research, 108 BAB II, College of Business Administration, The Pennsylvania State University, University Park, PA 16802.

INTERCOM
Department of Public Information and Relations
312 Old Main
The Pennsylvania State University
University Park, PA 16802
Address Correction Requested

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'Initial Operating Budget' is adopted

Trustees have adopted an "Initial Operating Budget" for 1983-84 based on Governor Dick Thornburgh's recommended 2.02 percent increase in state funding for Penn State.

In separate but related actions at their meeting at the Worthington Scranton Campus, Trustees approved increases in tuition and room and board rates for next year.

"Although the state has not yet taken final action on its budget for 1983-84, we are working from the recommendations of the Governor," Senior Vice President for Finance and Operations Steve A. Garban said. He and Loren M. Furtado, director of planning and budget, described the new budget as an austere one.

"It provides no significant new funds for academic programs and equipment," Mr. Furtado said. The only such funds to be available, he said, will come from more than \$2 million which is being reallocated within the University to the areas of

greatest need. That brings to nearly \$30 million the total that has been reallocated internally since 1971-72.

The General Funds portion of the budget, exclusive of Hershey Medical Center, which includes all funding for basic teaching, research and public service programs at Penn State, will total about \$310 million. That is an increase of \$16.7 million over last year's figure.

The new budget also will include an average annual tuition increase of 9.2 percent, slightly lower than the average 9.5 percent increase being planned this year at 14 universities comparable to Penn State.

Mr. Furtado noted that the budget request submitted by Penn State to the State last September had a built-in five percent tuition increase. That request was for a 10.2 percent increase in state funding.

Since the amount will be much lower than that, he said, "We looked for

additional economies, cut back on program expenditures and reluctantly determined we would have to recommend an additional 4.2 percent increase in tuition."

"A major problem that had to be considered in this budget is uncertainty with respect to the University's share of retirement costs for faculty and staff members. That expenditure has risen greatly in recent years," Mr. Garban said.

The State Legislature currently is considering proposed changes to the State Retirement System. Depending upon which of several alternatives ultimately is chosen, Penn State's share of those costs could increase by anywhere from \$500,000 to \$3.3 million next year.

Since 1972, the University's share of retirement costs for faculty and staff members has increased by 395 percent. Other costs related to employee benefits have risen greatly in recent years, too.

From 1972 to 1982, the University's costs

in providing Social Security coverage for staff members increased by 323 percent — from \$5.5 million to \$17.9 million. The cost of group health insurance, up from \$5.8 million in 1979-80 to \$12.2 million in 1982-83, will increase by an additional \$1.9 million in 1983-84. About \$1.09 million of the new budget will be used for cost increases related to fuel and utilities.

Before starting work on the 1983-84 budget, University budget officers said, they studied Penn State's salary levels carefully to see how they compare with those at comparable institutions.

"With inflation clearly moderating, and with a recommended increase of only 2 percent in the State appropriation, it became apparent early in the budget development process that any salary increases would have to be considerably smaller than in our recent past," Mr. Furtado said.

"We concluded that our biggest

(Continued on page 3)

Trustees approve continuing 'Opportunity Fund'

Trustees have approved continuing the "President's Opportunity Fund" at the level necessary to allow the University to compete in the recruitment of minority faculty and staff members.

Since it was established in 1982, the fund has made \$100,000 per year available to departments within the University for minority faculty and staff recruitment. The money can be used either to supplement salaries for minority faculty and staff members to make the University competitive with other institutions or to establish new temporary positions for qualified minorities.

In 1982-83, the Trustees were told, the fund was used for three faculty or staff appointments. For 1983-84, three

additional appointments already have been made.

"We've already seen an increase in the number of people hired who might not have been hired in the past because of high demand in the marketplace for professionals from minority groups,"

Affirmative Action Officer William Asbury told the Trustees' Special Advisory Committee on Affirmative Action.

"Particularly with respect to faculty members, competition among institutions is very tough and getting more so all the time."

The committee, chaired by Mrs. Mimi Coppersmith, recommended to the Board that it approve additional funds for the program.

The committee noted that the fund originally was established after several groups and individuals within the University, including Penn State's Forum on Black Affairs and an ad hoc intergroup relations committee, recommended such a program.

In other reports to the special advisory committee:

Dr. Raymond Murphy, vice president for student affairs, discussed a recent review of Penn State's community centers established in Pittsburgh and Philadelphia in 1976 to give the University a presence in those major urban areas.

"The four activities reviewed — admissions information, recruitment, financial aid, and community relations —

received more positive comment than negative," Dr. Murphy noted.

There was agreement across the groups polled (students, administrators, Black community resource persons, and the centers' advisory board members), he added, that support for the centers should be continued.

From 1977-82, nearly 6,000 students were contacted by the centers in both cities, Dr. Murphy said. Literature about Penn State's programs were distributed to more than 16,000 potential students. Numerous contacts also were made through high school visits, college fairs, and visits with guidance counselors.

"The students, both those who later

(Continued on page 3)

University announces promotions in academic rank

The following promotions in academic rank are effective July 1:

To Professor

- Joel Anderson, Mathematics
- Paul R. Blankenhorn, Wood Technology
- John E. Brockett, Agricultural Economics Extension
- Charles R. Bursey, Biology, Shenango Valley Campus
- Erskine H. Cash, Animal Science
- Donald M. Cridler, Rural Sociology
- Albert L. Guber, Geology
- Roy H. Hammerstedt, Biochemistry
- George L. Hargrove, Dairy Science
- Robert E. Harkavy, Political Science
- John F. Houlihan, Physics, Shenango Valley Campus
- Ted L. Huston, Human Development
- Louis P. Inerra, Architecture
- Roger L. Ladda, Pediatrics
- Roland E. Larson, Mathematics, Behrend College
- Antonio C. Lasaga, Geochemistry
- Peter M. Lavin, Geophysics
- Kenneth M. Lucht, Business Administration
- Charles T. Morrow, Agricultural Engineering
- Jerry C. Olson, Marketing

- Robert B. Page, Neurosurgery and Anatomy
- Eva J. Pell, Plant Pathology
- D. Eugene Rannels, Physiology
- Jerry H. Reyburn, 4-H Youth Extension
- Ingeborg I.M. Schuster, Chemistry, Ogontz Campus
- Barbara M. Shannon, Nutrition
- Ross Shiman, Biological Chemistry
- Dan P. Silverman, History
- Mary Jane Teverthia, Microbiology
- Brian J. Thower, Materials Science
- Peter A. Turner, Forest Management
- Mian C. Wang, Civil Engineering
- Harry H. West, Civil Engineering
- Thomas D. Yawkey, Education

To Librarian

- Kimi Y. Hiasabune, University Libraries
- John R. Kaiser, University Libraries

To Senior Research Associate

- Patricia L. Sanders, Plant Pathology

To Associate Professor

- S. Ashok, Engineering Science
- Roy L. Austin, Sociology

- James G. Beirlein, Agricultural Economics Extension
- Jay Belsky, Human Development
- R. Thomas Berner, Journalism
- Eric W. Bond, Economics
- John E. Burris, Biology
- Clarence H. Collison, Entomology Extension
- Linda W. Craighead, Education
- David E. Cunningham, Radiology
- Thomas S. Davis, Surgery
- Turgary Ertekin, Petroleum and Natural Gas Engineering
- Terry D. Ehterton, Animal Nutrition
- Earl E. Fitz, Portuguese, Spanish and Comparative Literature
- Steven R. Goodman, Physiology
- Mary K. Howell, Microbiology
- Larry H. Hull, Entomology
- Mary Jane Irwin, Computer Science
- William I. Lindley, Agricultural Education and Agricultural Extension
- Daniel B. Litvin, Physics, Berks Campus
- William J. Mahar, Humanities and Music, Capitol Campus
- Andrea M. Mastro, Microbiology and Cell Biology
- Julian D. Maynard, Physics
- William J. McCarthy, Plant Pathology
- Larry H. McCormick, Forest Resources

- Nicholas M. Miskovsky, Physics, Altoona Campus
- James L. Monroe, Physics, Berks Campus
- Bruce A. Murphy, Political Science
- Judith L. Newman, Individual and Family Studies
- John S. Nichols, Journalism
- Don N. Page, Physics
- Carlo G. Pantano, Materials Science and Engineering
- William C. Reeves, Medicine
- James J. Reuther, Fuel Science
- Fred L. Ridener, Jr., Physics, New Kensington Campus
- C. Peter Romaine, Plant Pathology
- Rouben Rostamian, Mathematics
- Francis E. Sharkey, Pathology
- Paul T. Sindelar, Special Education
- Rudy L. Slingerland, Geology, Shenango Valley Campus
- John M. Stevens, Public Administration
- Joan V. Summy-Long, Pharmacology
- Marylee C. Taylor, Sociology
- Emily J. Toth, English and American Studies
- Thomas T. Warner, Meteorology
- Steven J. Wassner, Pediatrics
- Robert D. Weaver, Agricultural Economics

(Continued on page 3)

From the Trustee Docket

University may manage Navy center

The University is involved in preliminary talks with the Navy Department concerning the possibility of managing the Center for Naval Analyses (CNA) at Alexandria, Va.

President Jordan told the Trustees that the University has been invited to submit a request for proposal to serve as operating contractor for the center and that a letter of interest is being prepared, in consultation with faculty members, for submission.

The center, established in 1967, has a staff of 320 people and an operating budget of \$20 million annually.

Dr. Arnulf Muan, professor of mineral sciences and associate dean for research in the College of Earth and Mineral Sciences, is a member of the group of faculty consultants on the project. He said the

group felt that having better contacts in Washington was likely, in the long run, to benefit graduate programs and might provide spinoff funding for basic research at the University.

Another member of that group, Dr. Leonard N. Zimmerman, associate dean for research and professor of bacteriology in the College of Science, said he was impressed that such a center exists in the Navy.

"Its responsibility is to check and critically evaluate Naval programs. In that sense, it is independent," Dr. Zimmerman said. He said he considered the existence of such a group "a reflection of a democratic society" and felt it was important for Penn State to be involved in such an effort.

Dr. Jordan said the Navy has sent

invitations to certain universities around the country for proposals to become the contract operator of the center.

He said a contract, if approved, would involve the University receiving a 5 percent management fee or \$1 million annually for use for support of research "on a rather broad and a rather flexible scale." It is not specified that the funds be targeted on particular projects, he added.

In his report to the board, Dr. Jordan said he will mount a national search to fill the permanent position of executive vice president. Dr. James B. Bartoo currently is serving in an acting capacity.

Noting that Dr. Doris Seward, executive assistant to the president, will retire on Nov. 1, he said he will mount a local search to fill that position.

Dr. Jordan told the Trustees that he will begin work immediately on strategic planning for the University.

"I will be asking each unit of the University — whether it be a teaching unit, a service unit or a research unit — to

consider its priorities as part of Penn State University.

"I will be asking them to pay very careful attention to some external analysis — a look at the needs of students, the Commonwealth and the Nation related to their priorities.

"I also will ask them to pay some attention to their capabilities to fulfill those needs and particular attention to the very best use of our resources, whether they be human, dollar or facilities resources."

He said he has asked the academic deans to help locate someone, preferably from the University system, to spearhead the planning effort.

Dr. Jordan also reported that he will make a study of the structure of the central administration of the University over a period of time.

"We will do that without making a precipitous change, but we do anticipate some changes in the format of the way we manage the entire University."

Faculty Senate report

Dr. Joseph A. Dixon, immediate past chairperson of the University Faculty Senate, has urged Trustees to invite one or two faculty members a year to address the Board on their special achievements in scholarship or research.

"I think this will increase the Trustees' appreciation of the breadth of activities at the University," Dr. Dixon said. "There is a perception that the Trustees are interested in athletics, fiscal matters and physical plant. Inviting faculty members to talk about their work could be an effective mechanism for increasing faculty/Trustee interaction."

Dr. Dixon also talked about his

perceptions, his frustrations and his satisfactions as chairperson of the Senate during 1982-83.

"I found interacting with people — the faculty and the administration — very satisfying," he said. "However, I experienced two principal frustrations as Senate chairperson: the ponderousness of the Senate legislative machine and the inability of the Senate and the University community to discuss important issues facing the University."

He cited two items he hoped would come before the Senate, but which did not. They are student evaluation of teaching and position control. In both cases, legislation was drafted last fall, but

no final action was taken by the Senate this year.

"Problems such as this will be solved," he said. "It is important that the faculty perceive the importance of the Senate as the effective representative organization in the University for informing, deliberating and recommending to the president on all academic matters, on personnel matters affecting the faculty and on areas that cross departmental, college and campus boundaries. With all its imperfections, the Senate still speaks for the faculty."

Dr. Dixon also presented the Board with a three-page summary of all the informational and legislative reports presented to the Senate during the academic year. He noted that the Senate

held special sessions on teaching effectiveness and the status and opportunities for female faculty members at the University.

In addition, he said, a number of University faculty members and administrators addressed the Senate, and the Senate dealt with issues on student evaluations of teaching, faculty position evaluation, undergraduate scholarships and awards, use of computers and the presidential search process. Reports and statistical analyses were compiled by various committees on tenure and promotion, the status of the libraries, faculty salaries, patent policies and undergraduate scholarships and awards.

New academic options

Three new academic options will be offered this fall, Trustees have been told.

Beginning with the fall semester, University students will be allowed to enroll in minors in national security affairs, music or social work. The new minors will require no new courses or spending of any additional University funds.

Dr. James Bartoo, acting executive vice president, said the national security affairs minor is designed for students interested in understanding the political, military and economic forces involved in the

management of U.S. security. It will include courses in economics, geography and political science.

"This minor could complement any major in the University," he added. It is being sponsored by Intercollege Undergraduate Programs and is an interdisciplinary offering.

The new music minor, being offered through the College of Arts and Architecture, also is available in conjunction with any major in the University, Dr. Bartoo said.

"This program is designed for students who wish to develop music as an

avocation or to increase their participation and interest in music," he added.

Students choosing the minor will take two basic courses, Music 131 and 132, with 12 other music credits, at least six of which must be at the 400 (or fourth year) level.

Dr. Bartoo said the new social work minor is for students who are interested in human services and who are majoring in a related discipline.

"The minor in social work consists of 20 credits in prescribed social work courses, designed to provide an orientation to methods, skills and applications in social work," he said. It is being offered by the

College of the Liberal Arts.

Trustees also approved a change in the name of the Food Service and Housing Administration Program to the Hotel, Restaurant and Institutional Management Program.

The change makes the program name consistent with the name of the major under which it is offered — the Hotel, Restaurant and Institutional Management major.

Trustees also said the change was being made to better reflect the nature of the program and its professional and academic orientation.

News in Brief

Secretaries elect officers

Diane Mullen has been elected president of the Penn State Chapter of the Pennsylvania Association of Educational Secretaries.

Other officers are Mary Baylets, vice president; Laura Frye, secretary, and Jennie King, treasurer. Executive Board members are Anne Smilowicz, Jean Rose and Sandy Rogus.

The group will meet at 5 p.m. Wednesday, July 20, in 208 Business Administration Bldg. The guest speaker, Milton J. Bergstein, associate professor of marketing and director of external relations in the College of Business Administration, will discuss "Realities of the 80's."

VM/CMS seminars

Introductory sessions on VM/CMS (Virtual Machine/Conversational Monitor System) will be given at 7:30 p.m. July 18, 20, 25, and 27 in Eisenhower Auditorium.

If interest warrants, additional sessions will be held Aug. 1 and 3.

A CMS user identification key is required to use the system. Application for a user should be made in advance of the seminar at 229 Computer Building. There is no charge and the seminars

are open to the University community. Call Darlene Rhoads at 863-0422 in order to register.

Intercultural Workshop

The Community International Hospitality Council will hold an intercultural workshop at 7 p.m. Wednesday, July 27, at Eisenhower Chapel.

Interested persons should pre-register by July 25 by contacting the Council, 115 Eisenhower Chapel, phone 863-3927. There is no fee for the workshop.

The Council also announced that a reception for new international students and families and American friends will be held at 7:30 p.m. Aug. 18 in 101 Kern Bldg.

Friendship Families are needed for new international students and families arriving Aug. 12. Volunteer hosts also are needed for a welcome dinner and tour of the community. Interested persons should contact the Council office.

Public relations workshop

The Office of Personnel Administration, in cooperation with the Department of Public Information and

Relations, will present a public relations workshop designed for "public contact" employees from 9 a.m. to 11:30 a.m. Tuesday and Wednesday, Aug. 2 and 3, in Room 112 Kern Graduate Bldg.

The main objective of the workshop is to acquaint public contact employees with attitudes and practices which will enable them to be more responsive to people who approach them for information and assistance, according to Dennis Keiser, coordinator of employee and management development, and Arthur Ciervo, director of public information.

Presentations will be made by President Jordan on "Good Public Relations is Everybody's Business"; Audrey Falasco, a consultant from Balance Concepts, on "Your Attitude and Its Effect on Your Performance"; Heather Gilbert, assistant executive director of the Penn State Alumni Association, on "How Your Verbal and Non-Verbal Communication Is Perceived by Others"; and Mr. Ciervo on "The 10 Commandments of Good Human Relations."

Employees interested in attending should contact their personnel representative.

Recycle envelopes

Because recycling of interoffice envelopes at the University Park

campus can save many dollars, departments and individuals are urged to send excess supplies of used envelopes to Mailing Service, 108 Business Services. Every type of envelope which might conceivably be reused should be sent — letter size; No. 10 lined or unlined, manila or white; even those as large as 11- by 15-inches. These envelopes will then be routed to departments which have expressed a need for them. Presently, the expressed need is far greater than the supply.

Birth Control Pill Study

Reproductive Endocrinology at Hershey Medical Center is accepting healthy women volunteers for a questionnaire-type study of spotting and other minor side-effects of commonly used birth control pills.

Volunteers will be monitored while taking standard, commercially available, low-dose oral contraceptives already marketed in the United States. No experimental drugs or procedures are involved. Volunteers will receive their medical visits, as well as the birth control pills, free of charge.

Persons desiring further information may contact Dr. Paul Stumpf or Ms. Rosanna Lenker in the Department of Obstetrics and Gynecology at (717) 534-8478, Network 454-8478.

President Jordan sets top priorities

Adequate funding for Penn State, minority student recruitment and retention, and long-range planning are among the top priorities of the University's new president.

At a press conference July 1 — his first official day on the job — Dr. Bryce Jordan cited "superb fiscal management" by former President Oswald and his staff which "has served this institution very well."

"In the northeast, public higher education has had great financial difficulties. Penn State has survived better than most universities. The real question is how much longer can we continue to reallocate and recycle dollars without

cutting into muscle and bone."

Dr. Jordan said he is concerned that the University speed up the process of providing intensive recruiting and solid support for minority students.

"The reorganization of services to support students and the recruiting and retention of minority students are very much on my mind and will receive a high priority," he said.

"We plan to reorganize services for all students, to provide additional support and sensitivity to our minority students and bring about additional ways of recruiting minority students."

The planning process, he said, should be a continuing, open-ended one.

"I'm concerned with a dynamic process that concentrates on the front line — colleges and departments, looks realistically at goals and ways of achieving them, and looks at strengths and weaknesses."

Those areas are my immediate priorities, Dr. Jordan told the reporters. "We may change the order as we move along."

The University's new president also said that — at his request — there would be no formal inauguration.

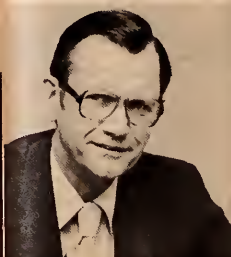
"The dollars involved could better be spent in other ways. And I don't want to spend the energies that need to be consumed by such an event."



President Jordan

Dean Bartoo appointed to new position

Dr. James B. Bartoo, dean of the Graduate School, has been named acting executive vice president of the University. The appointment was made by Dr. Bryce Jordan, in one of his first actions as



Dr. James B. Bartoo

president of Penn State.

"In the early 1970s," Dr. Jordan said, "the Board of Trustees established the position of executive vice president, which up to now has not been activated. I have decided to fill that position on an acting basis."

"I am especially pleased that Dr. Bartoo has agreed to serve as acting executive vice president, effective immediately. Because of his broad experience and thorough knowledge of the University and its activities, he will provide additional strength and continuity as I initiate a review of the organizational structure of the institution."

A professor of mathematical statistics, Dr. Bartoo has headed the Graduate School since 1969. He served as acting vice president for research in 1970-71 and as interim professor in 1977. In 1980, he was the recipient of the John E. Wilkinson Award for Administrative Excellence at Penn State.

DNA technology to be examined at symposium

A symposium featuring experts in recombinant DNA technology from throughout the country will be held July 27-29 at the University Park Campus.

The symposium is co-sponsored by the following industries affiliated with Penn State's cooperative DNA program: Gulf Oil Corp., IBM Corp., GIBCO Division of the Dexter Corp., Schering Corp., Universal Foods Corp., Westinghouse Electric Corp., and Wyeth Laboratories.

Through the cooperative program, 17 faculty members investigate DNA technology and share their findings with their counterparts in industry.

Dr. S. Edward Stevens Jr., associate professor of microbiology and cell biology and chairman of the symposium, describes the cooperative DNA program which began in 1982 as a broad-based faculty group that organized itself and then solicited membership from industries.

University faculty members making presentations at the symposium include Dr. James E. Hopper, associate professor of biological chemistry at the Hershey Medical Center; Dr. Ronald D. Porter, assistant professor of microbiology and molecular genetics, and Dr. David I. Shalloway, assistant professor of molecular biology.

Promotions

(Continued from page 1)

To Adjunct Associate Professor

C. Edwin Young, Agricultural Economics

To Associate Librarian

Margaret A. Deitzer, University Libraries
Cornelius J. McKown, University Libraries

Florence A. Salinger, Capitol Campus
Melvin E. Westerman, University Libraries

Opportunity Fund

(Continued from page 1)

enrolled at Penn State and those who did not, felt that the centers recruit effectively and do well at giving general and specific information about the University," Dr. Murphy added. The centers also were considered "effective in identifying capable students who could succeed at Penn State."

"On the other hand, the students were disappointed in the centers' inability to determine rapidly whether or not they would be admitted to Penn State, and in being unable to learn quickly what aid package would be available to them if they did enroll."

Based on the review, said Dr. Murphy, six specific recommendations were

included in the study:

- Increase the intensity of minority recruitment.
- Determine more effective ways to advertise and promote the Community Centers.
- Provide a computer communications link from the centers to University Park in order to improve the admissions tracking system and information services.
- Simulation of possible Penn State aid packages is an example.
- Clarify the admissions role of the centers.
- Explore ways to use better all community resources to meet the goals of the centers, and
- Develop a survey instrument to determine annually reaction to the centers and to encourage constructive suggestions

from the four groups most directly involved with the Community Centers.

Donald Dickson, dean of admissions, noted that, in the recruitment of Black students, "the 1982-83 year was a most difficult, but in a somewhat perverse sense, a year which will turn out to be a gratifying one."

Applications from Blacks have declined by 12 percent, from 1,785 in 1982, to 1,567 in 1983, Dean Dickson said, adding: "But we got more offers out of the pool, and a higher percentage of acceptances." Offers for admission to Penn State went from 1,087 last year to 1,136 this year. Twenty-eight percent of those who applied are expected to enroll at the University, up from 26 percent in 1982.

Dean Dickson indicated that new enrolled freshmen in 1982 totaled 450. Enrollment figures for 1983 are not yet

available, but at this time, 462 Black students have indicated interest in enrolling.

Dean Dickson also told the Trustees that, effective Aug. 1, two Black administrators have been added to the Office of Admissions. They are Gregory Branch, who will become associate director of admissions, and Cynthia King, who will become assistant director of admissions.

Noting that attrition rates of Blacks are much higher than "majority students," Dean Dickson reported that data on the problem are "voluminous, and have not yet been completely analyzed."

"A report on attrition," he concluded, "will be forthcoming in the fall and Trustees will be apprised of the conclusions."

Operating budget

(Continued from page 1)

academic salary problem is a market problem. Competition is intense in certain disciplines. To avoid losing key personnel in those fields, we felt that we must emphasize market considerations as much as possible in our salary increase planning."

At the same time, he added, the budget planners felt it important to reward outstanding performance in all fields. The budget adopted will provide for:

- 1.25 percent cost of living increases for all employees who are performing their jobs satisfactorily;
- 1.75 percent for merit increases distributed equally to all units, but awarded differentially to the most meritorious persons.
- 0.50 percent market increases distributed differentially by unit, and awarded to those fields in which national competition for professionals is most intense.

Mr. Garban also announced that, because of the budget deadlock in

Harrisburg, "the University will hold up on implementing salary increases. In addition, a hold also has been placed on increased funds for departmental allotments."

The new tuition rates mean undergraduate students at University Park Campus will pay \$194 more per academic year (two semesters). Students at the Commonwealth Campuses will pay \$169 more.

The University Park undergraduate tuition rate for 1983-84 will be \$2,312 per year. The rate at the Commonwealth Campuses will be \$1,996.

Undergraduate students at the Capitol Campus will pay \$194 more next year than this year, or \$2,312. In the final stage of a plan to make tuition at the Behrend College consistent with rates at other campuses, Behrend undergraduates will pay \$302 more next year or \$2,312.

Graduate students at University Park and the Milton S. Eshershey Medical Center will pay \$2,464 for the 1983-84 year, up \$208 from last year. Those at all other locations except the King of Prussia Campus will pay \$2,312, some \$194 more

than last year. (Graduate students at the King of Prussia Campus pay \$126 per credit).

Tuition for medical students at the Milton S. Eshershey Medical Center next year will be \$7,296. That is an increase of \$615 over last year.

The total General Funds budget for the Penn State's College of Medicine at Hershey will be about \$18 million, up \$1.2 million from last year. The total Medical Center budget, which also includes operation of the University Hospital and the Elizabethtown Hospital for Children and Youth, will be \$126.6 million.

The total University budget, which includes all auxiliary enterprises, federal funding for the Cooperative Extension Service and restricted funds, will be \$607 million.

Beginning with the 1983 Fall Semester, Penn State undergraduate students will pay \$95 more per semester or \$1,232 for board and a double room at all locations.

At Meade Heights on the Capitol Campus, which offers only rooms but no board, students will pay from \$580 to \$720 per semester, depending on the number

of students living in each unit.

The room and board rate for graduate students living in double rooms in University residence halls will be \$1,242 per semester, up \$97.50 from last year. Graduates who seek only a double room but no board will pay \$600 per semester. Those who live in the Atherton Apartments at University Park Campus will pay \$1,140 for a double room with bath.

Monthly rental rates for graduate family apartment housing will range from \$197 to \$332.

At the University Manor apartments at the Hershey Medical Center, students will pay \$25 more — or \$360 per month for a two-bedroom unit.

University budget officers said they anticipated no significant change in enrollment in 1983-84 over current levels. If the State ultimately should provide a greater increase in funding for Penn State than the Governor has recommended, they said, the University president will present a modified budget to Trustees for approval at the September meeting.

Partings

James W. Beach, associate professor of music at the Schuylkill Campus, retired June 30 after 22 years of service.

In addition to teaching music courses, he directed the 80-voice Schuylkill Choral, six ensembles, and two instrumental groups.

A native of DuBois, Prof. Beach received the bachelor of science degree in music education and the master of education degree from Penn State. He pursued additional studies at the Julliard School of Music and the University of Wisconsin.

He joined the University faculty Sept. 1, 1948, as instructor in music at the then Pottsville Campus. He left in 1951 to go to Julliard. While there, he was active as a singer in the New York City area, doing work on the concert stage, radio, television, and for recordings.

He returned to the University Park Campus in 1958 and, in addition to teaching, served as assistant director of the University Chapel Choirs. He left after five years to study at the University of Wisconsin.

Prof. Beach rejoined the faculty on Sept. 1, 1967, at the Schuylkill Campus. He was promoted to associate professor in 1973.

He is a member of the American Guild of Musical Artists, the American Federation of Television and Recording Artists, the American Association of University Professors, and the American Musicological Society.

Dr. Kathryn B. DeBoer, associate professor of speech communication, retired June 30 after more than 25 years at the University.

"I've enjoyed every minute I've been at Penn State, particularly the advising. I love the contact with young people," she says. She has spent many hours each week talking with, advising and helping both her own advisees as well as other students.

During her tenure, she has been acting head of the Department of Speech Communications for short periods of time. Since 1974, she has been coordinator of Speech Communications 200, Effective Speech, which is the introductory course in the department. Each term, 50 sections are offered. Dr. DeBoer trains the graduate students who teach the course.

Before coming to the University in 1957, she completed a B.S. degree in speech and speech therapy with minors in English and education at Syracuse University, under a full scholarship, in 1940.

She received her M.A. degree in speech therapy with a minor in phonetics from Cornell University in 1942 and her Ph.D. in group dynamics communication theory with a minor in interpersonal speech from the University of Denver in 1971.

In 1979, the College of the Liberal Arts presented her with its Outstanding Adviser Award. The College also has established in her honor the Kathryn B. DeBoer Distinguished Teaching Award which goes to the best graduate student teaching assistant each year. The first



James W. Beach

award was presented this year.

An avid football fan, Dr. DeBoer attends all the Nittany Lion games. She plans to travel, write and do consulting during her retirement.

Dr. Robert W. Green, professor of European history, retired June 30 after 30 years of service.

His research interests include modern European continental history between the Renaissance and Napoleon and 17th century France. Since joining the faculty in 1952, he has served as both an innovator and leader in the development of new courses and programs dealing with the history of 17th and 18th century Europe.

The teaching side of academic life has held the most interest for him, he says. "Contact with students is a challenging and changing phenomenon. Each class and each student is different. There's a constant interaction and adjustment." He says he has taught more than 10,000 students in 30 years.

In 1969, he received the Christian R. and Mary F. Lindback Award for Distinguished Teaching. He also received the 1933 Class Award for Outstanding Contributions in the Field of Humanities in 1963.

He played a major role in the development of a history honors program and helped create the History Roundtable, a program of speakers and lecturers of special interest to history majors. He was faculty adviser for the Roundtable and for Phi Alpha Theta, the international history honor society.

From 1960-61 and 1965-69, he was a member of the University Faculty Senate and served as chairman of the Committee on Curriculum for two years. He also served on the College of the Liberal Arts Policy Committee and was ombudsman for the College for two years.

From 1959-65, he was scheduling officer and administrative assistant for the Department of History. He was acting head of the department during the summer of 1962.

He is author of a book, *Protestantism and Capitalism — the Weber Thesis and Its Critics*, and co-author of the two-volume text, *A History of Civilization*.

Born in Iowa, he received his B.A.



Kathryn B. DeBoer

degree from the University of Iowa in 1942, his A.M. degree from the University of Chicago in 1948 and his Ph.D. from the State University of Iowa in 1953, all in history.

James E. Hvizdos, photographer at the Applied Research Laboratory, retired July 1 after 23 years of service.

Prior to joining the staff in March, 1960, he owned a photographic studio.

During his years at the ARL, he performed high quality photo composition and photo finishing work in both black and white and color.

Patricia M. Overdeer, professor of mathematics at the Ogontz Campus, retired June 30 after 27 years of service.

Ms. Overdeer came to Ogontz as an instructor in 1956. Through the years she took an intensive and dynamic role in the development of the mathematics department, the campus and the University. In the early 1960's, she served Ogontz as dean of women and admissions counselor. She was one of the founders of the Ogontz Campus Senate, and has been chairman of the organization three times.

She represented the campus on the University Faculty Senate since 1967, and served as both its vice chairman and secretary. She also served three terms of office on the Senate Council, and was an active member or chairman of seven Senate committees, including the advisory committee to President Oswald.

At Ogontz she served as chairman of the Long Range Planning Committee and was chairman of the Educational Opportunities Program committee since the program started in 1970. Intermittently she devoted 12 years as coordinator of the Mathematics Department.

She received the campus Outstanding Teaching Award and was named an Outstanding Educator of America in 1973. Long concerned with making mathematics more palatable for the layman, she developed workshops to deal with math anxiety and sought non-traditional approaches to teaching geometry — such as the use of kaleidoscopes and Islamic art.

Ms. Overdeer, the mother of three, served on the Jenkintown Borough Board of School Directors for 12 years, and was



Robert W. Green

active in Girl Scouts and church work.

She regards her retirement as "more time to pursue my interests" which range from furthering her education by taking computer science courses to skiing and playing tennis.

When Eddie Sulkowski was just out of Pittsburgh's Allegheny High School, he won the National Amateur Athletic Union featherweight boxing title at the old Arena in Philadelphia. From there, it has been a life dictated by boxing and wrestling for the Penn State wrestling trainer and boxing coach, who retired July 1.

In the early days, when he boxed for Pittsburgh's Willow Club and the Pittsburgh Lyceum, he was known as "Eddie Sulk." Later, when he entered military service and continued boxing, he took his real name back because "I figured I'd better let everyone know who Sulkowski was, in case I had any privileges coming."

Mr. Sulkowski's undergraduate career at Penn State was aided in part by the financial backing of a wealthy University alumnus who had seen him box at a country club. It was a good investment, since he later became Penn State's head varsity boxing coach and received both his bachelor of science (1949) and master of education (1954) degrees from the University.

In 1949, Mr. Sulkowski joined the Penn State athletic department staff as football trainer, assistant boxing coach and instructor (later to become assistant professor) in physical education. He was named to the head boxing coach position in 1950. In 1954, he was named wrestling trainer as well. He also helped out with other sports when he had time, and taught a full roster of physical education courses.

He was selected as trainer for the U.S. Olympic boxing teams in Munich in 1972 and in Montreal in 1976. He has held top leadership posts in the Eastern Athletic Trainers Association, the National Athletic Trainers Association and the National Collegiate Boxing Coaches Association.

"I'm looking forward now," he said, "to having more time to myself, and being able to spend more time with my

See next page for more partings.



James E. Hvizdos



Patricia M. Overdeer



Eddie Sulkowski



George D. Wolf

Partings

(Continued from page 4)

wife and visiting my kids." His wife Peggy, who also has her bachelor of science and master of education degrees from Penn State, is a second grade teacher at Park Forest Elementary School in State College.

His son, Tom, followed Mr. Sulkowski into an athletic training career and is head trainer at George Washington University. He will start medical school in Virginia in the fall. Daughter Peggy has a master of business administration degree from Penn State and is a certified public accountant in Washington. His youngest, Kathy, is a housewife and lives in Rochester, N.Y.

Alumni Association

Cook, Forrey elected

Donald M. Cook Jr. and William C. Forrey will head the 70,000-member University Alumni Association for the next two years.

Mr. Cook, RCA division vice president, and Mr. Forrey, director of Pennsylvania State Parks, were elected president and vice president, respectively, at the Alumni Council's spring meeting.

Mr. Cook of Cherry Hill, N.J., succeeds Richard A. Zimmerman, president of Hershey Foods, as president of the Association, and Mr. Forrey of Camp Hill takes over from Mr. Cook as vice president.

William J. Rothwell, executive director of the Alumni Association, says that both officers are "super alumni." They are very active in their local alumni clubs.

"Both feel that it will be important for the Alumni Association to have a very close relationship with the administration. They want the Association and the

Dr. George D. Wolf, the first faculty member appointed at Capitol Campus when the University opened the campus in 1966, retired June 30.

Dr. Wolf joined the faculty at Capitol as associate professor of social science and history, and was promoted to professor of American studies and history in 1969. He was named head of the Division of Humanities, Social Science and Education in 1971, and in 1973 was appointed dean of faculty — a position he held until 1978, when he returned to full-time teaching.

Dr. Wolf came to Capitol Campus from the office of former Gov. William W. Scranton, where he served for one year as a special assistant for project development under a Ford Foundation grant. Upon completion of his grant-funded work, he served as historian for the Pennsylvania Constitutional Convention.

While working in the Governor's Office, he was on leave from Lock Haven State College, where he served as professor of history. A member of the Lock Haven faculty for eight years, he taught at Lycoming College from 1954 to 1956 and prior to that was a teacher at Williamsport High School.

Dr. Wolf received his bachelor of arts degree from Muskingum College, his master of arts degree in history from Bucknell University, and his doctor of philosophy degree in American civilization from the University of Pennsylvania.

His work in the governor's office and with the Constitutional Convention became the bases for three published works: *Constitutional Revision in Pennsylvania*, *State Constitutional Revision*, and his latest, *William Warren Scranton: Pennsylvania Statesman*, published in 1981.

In addition to these, he has had published *The Fair Play Settlers of the West Branch Valley, 1769-1784*, and in 1971 wrote the *Master Plan for Higher Education in Pennsylvania* for the State Board of Education. He currently is working on a political novel, *A Man of Words*, and continues to lecture and write guest editorials for Pennsylvania newspapers.

Dr. Wolf has been a member of the American Association of University Professors, Pennsylvania Historical Association, American Studies Association, American Association for State and Local History, Organization of American Historians, Institute of Early American History and Culture and the Historical Society of Pennsylvania.

He is married to the former Margaret Ince McNeil of Williamsport. They have three daughters and five grandchildren.

administration to help each other solve problems," Dr. Rothwell says.

Cook received a bachelor of science degree in recreation and parks in 1952 and a master's degree in counselor education in 1960. He was director of the University's Career Development and Placement Center from 1954-60. A member of the Alumni Council since 1977 and its executive board since 1979, he also serves as a member of the Penn State Fund Council.

He joined RCA in 1960 and has held executive positions in recruiting, educational programs, marketing and operations. He was named division vice president for all government services in May 1981.

Forrey is a 1976 Alumni Fellow who has served on the Alumni Council since 1980 and was re-elected for another term this spring. He has headed the Capitol Campus Alumni Society, and a year ago



Donald M. Cook Jr.

received its Alumni Achievement Award. He also serves on the curriculum advisory committee of the Penn State Forestry and Park and Recreation programs.

A charter member of the American Academy for Park and Recreation



William C. Forrey

Administration, he is a registered landscape architect as well as director of the state's vast park system. He received his bachelor's degree in horticulture in 1953 and a master's degree in regional planning in 1971 from Penn State.

Provost Eddy named Rhode Island president

Provost Eddy has been named the ninth president of the University of Rhode Island. He will assume the post on Oct. 1.

In making the announcement Albert E. Carloti, chairman of the Board of Governors for Higher Education, praised Dr. Eddy's "impeccable credentials as a scholar" and his "wealth of administrative experience."

"He brings with him superb management skills proven in top academic

positions," Carloti noted. "I feel certain he will lead the University on to an even greater role in higher education."

President Jordan said, "We at Penn State congratulate Ted Eddy on his appointment as president of the University of Rhode Island. Congratulations to that university are also in order. Dr. Eddy's administrative talent and experience will serve them well. "All of us here are grateful for the

excellent service he has rendered Penn State."

Dr. Eddy was appointed provost of the University in 1977, after serving as president of Chatham College in Pittsburgh.

Earlier, from 1955 to 1960, he was provost and vice president of the University of New Hampshire, and served UNH in several positions, including acting president, from 1949 to 1955.

Concerning his upcoming presidency at the University of Rhode Island, Dr. Eddy said, "I am deeply impressed by the dedication to scholarship and open discussion at this splendid academic institution. Everyone seems to want a unit of the highest quality."

"It is a lively place, eager to move forward. Polly and I are excited about the State and coming home to New England. We want to get to know the students, the faculty and the citizens of Rhode Island, all owners of this University."

Carl Guerriero gets education award

Dr. Carl A. Guerriero, basic education associate in the Pennsylvania Department of Education, has been named one of three 1983 recipients of the "Excellence in Education Award" of the College of Education Alumni Society.

Dr. Guerriero, who earned both masters and doctor of education degrees from Penn State, received the award during a visit to the University Park Campus July 6-8.

"We are extremely proud and pleased to recognize Dr. Guerriero with one of the highest honors given in our College," said Henry J. Hermanowicz, dean of the College of Education. "His efforts toward the improvement of basic education in Pennsylvania bring great credit both to himself and to Penn State. Particularly at this time of great concern about mathematics education, we applaud his leadership role in fostering quality in that area for more than a decade."

Prior to his work with the Department of Education, Dr. Guerriero spent 12 years in the South Middleton School District, where he held math and physics teaching positions, was a math department chairman and was administrative assistant to the superintendent. His bachelor of science degree is from Lock Haven State College.

The other 1983 recipients of the Excellence in Education Award are Robert E. Cummings, a principal in the Lower Merion School District, and Sylvia Grube Wagner, director of early childhood education and a teacher at Greenvale School, Glen Head, N.Y.



Carl A. Guerriero

New microscope installed in college

A new electron microscope with capabilities to magnify specimens 800,000 times their size has been installed in the College of Earth and Mineral Sciences.

Purchase of the \$476,000 instrument was funded through a \$200,000 grant from the National Science Foundation and gifts from alumni and other sources.

The microscope will be used to conduct research in the Mineral Constitution Laboratories. It can be utilized as a conventional transmission electron microscope, a scanning electron

microscope and a scanning transmission electron microscope.

The instrument is powerful enough to observe features of particles not much larger than single atoms, says Dr. Paul R. Howell, associate professor of metallurgy.

Also, it can produce fine-scale chemical analysis in two ways: by analyzing the energy of the x-rays emitted by a specimen when it is bombarded with electrons; or by analyzing the energy losses electrons suffer while being transmitted through the specimen.

Alumni College features Vance Packard

Vance Packard, author of a half-dozen national best sellers and a native of Central Pennsylvania, is one of the featured speakers during the annual Alumni Vacation College being held through July 16.

Among his many topics at the session, Packard will discuss his new book entitled *Our Endangered Children: Growing Up in a Changing World*, which is due to be released at the end of August.

In this book, Packard argues that our child-rearing institutions are "seriously malfunctioning" in preparing children for adulthood and he tells what needs to be

done to help children.

Packard rose to fame with best-sellers such as *The Hidden Persuaders*, *The Status Seekers*, *The Waste Makers*, *The Pyramid Climbers*, *The Naked Society* and *A Nation of Strangers*.

He was born in State College and grew up on campus where his father was Penn State's horseman. He graduated from Penn State in 1936 in arts and letters and was a newspaper-magazine journalist before turning his talents to book writing.

Faculty and staff members are invited to attend Mr. Packard's lecture at 9 a.m. Friday, July 15, in 112 Kern. Bldg.

Appointments

Dr. Philip G. Keeney, professor of food science, has been named head of the Department of Food Science. He's served as interim department head since 1980.

Dr. Keeney is widely known for his research on ice cream. He is the director of the annual ice cream short course offered each summer for the past 28 years. The 10-day course, attended by ice cream industry representatives, has an international reputation.

His research specialty is food/flavor chemistry with emphasis on the science and technology of ice cream and chocolate. He's been the recipient of many research grants over the years from organizations such as the Chocolate Manufacturers Association and the Pennsylvania Manufacturing Confectioners Association and is the author of approximately 100 professional articles on food science research.

After earning a bachelor of science degree in dairy technology from the University of Nebraska in 1949, Dr. Keeney was assistant manager of a milk drying plant in Minnesota for two years before going to Ohio State University to earn a master's degree in dairy technology. He received his doctorate in dairy science from Penn State in 1955.

Gregory C. Branch, assistant director of admissions at the University of Colorado, has been named associate director of admissions.

"Mr. Branch will bring us experience from the wide variety of responsibilities which he had at Colorado," says Donald G. Dickason, dean of admissions. "In addition, as a Pennsylvania native and a Penn State graduate, he is familiar with the state and the institution as well as those admissions procedures that are common to state universities."

Mr. Branch, 35, has been at Colorado since 1976. He's been responsible for recruitment, advising, counseling and coordination of majority and minority student admissions. He's worked closely on admissions with Colorado's Colleges of Business Administration and Engineering.

He was involved with publication of admissions materials, as well as organizing and directing workshops and conferences. He also was engaged in public relations activities for the University.

A graduate of Overbrook High School in Philadelphia, Mr. Branch was graduated from Penn State in 1969 with a degree in secondary education after attending the



Philip G. Keeney

Ogontz and University Park campuses. He received his master of education degree in child development and family relations from Penn State in 1971. He has done additional graduate work at Colorado in public administration and in psychology, guidance and counseling.

After receiving his bachelor's degree, Mr. Branch was a social worker and assistant director of the West Philadelphia Methodone Treatment Program. From 1971 to 1973, he served with the U.S. Army and its Personnel Control Facility in Fort Riley, Kansas. Prior to going to Colorado, Mr. Branch served as project director for addiction services at the Malcolm X Mental Health Center in Denver.

One of his professional papers is on the access and retention of minorities in predominantly white institutions of higher education.

Dr. Howard B. Palmer, professor of energy science and associate dean of the Graduate School, has been named acting dean of the Graduate School.

"Dr. Palmer is thoroughly familiar with Penn State's Graduate School and its programs," President Jordan said. "I appreciate his willingness to take on this new responsibility and look forward to working with him in this very important area."

Dr. Palmer joined the University faculty in 1955 as assistant professor of fuel technology, after three years of teaching and research in chemistry at Brown University. He was named associate professor in 1957 and professor in 1960.

In 1959, he became head of the Department of Fuel Technology,



Gregory C. Branch

continuing in that post until 1965. He became professor of fuels science in 1966, served as chairman of the Fuel Science Section of the Department of Material Sciences from 1969 to 1976, and was named professor of energy science and associate dean of the Graduate School in 1977.

A native of Muncie, Ind., Dr. Palmer received his bachelor's degree in chemistry from Carnegie Institute of Technology (now Carnegie-Mellon University) in 1948. He earned his doctorate from the University of Wisconsin in the field of physical chemistry.

Dr. Palmer has published approximately 120 papers or book chapters on his research. He's written a text on combustion chemistry, and edited and co-authored a volume on modern developments in combustion technology. Since 1972, he has been U.S. editor of *Combustion and Flame*, the international journal of the Combustion Institute.



Howard B. Palmer

In addition to his faculty responsibilities at Penn State, he has served as visiting scientist at Imperial College in London and as visiting professor at the University of Pittsburgh while on sabbatical leaves.

Dr. Michael M. Coleman, professor of polymer science and chairman of the Polymer Science Program in the Department of Materials Science and Engineering, has been named acting head of the department.

He will serve until a new head is named to succeed Dr. Richard C. Bradt, professor of ceramic science and engineering. Dr. Bradt has accepted the position of chairman of the Department of Mining, Metallurgical, and Ceramic Engineering at the University of Washington.

Dr. Bradt joined the faculty in 1967 and has been department head since 1978. Dr. Coleman joined the faculty in 1975 and has been polymer science chairman since 1977.

Obituaries

Blair W. Henninger, tunnel operator in Applied Research Laboratory from Feb. 1, 1950, until his retirement July 1, 1978, died June 21 at the age of 66.

Mary E. Korman, housekeeper in Housing and Food Services from Oct. 2, 1949, until her retirement Sept. 1, 1958, died June 27. She was 86.

Theodore R. Kopp, accountant in University Libraries since April 1, 1974, died June 30 at the age of 38.

Albert Marshall, fireman, power plant operator, mechanic, pipefitter and plumber-fitter in Physical Plant from Aug. 1, 1957, until his retirement March 31, died July 2. He was 55.

Carpooler

Duane Stiner is looking for four more riders for a van pool from Houtzdale to State College. He works from 8 a.m. to 5 p.m. and can be reached at either 865-4651 or 865-5955.

Penn Staters

Dr. Leonard G. Austin, professor of fuels and mineral engineering, presented a series of 16 lectures on "Computer-aided Design of Ball Milling Circuits" at the Higher Institute for Mining and Geology in Sofia, Bulgaria. His lectures are to be translated into Bulgarian and published by the Bulgarian State Publishing Agency.

Sidney E. Barnard, professor of food science extension, received the Distinguished Service Award from the Pennsylvania Dairy Sanitarians Association for service to the association and dairy industry through Extension programs.

Parris H. Chang, professor of political science, visited China at the invitation of Peking's Institute of International Studies, delivering lectures and holding seminars on U.S.-China relations at Peking University, Liaoning University at Shenyang and at the Shanghai Institute of International Studies.

Dr. J.C. Griffiths, professor emeritus of petrography, served for two weeks as a visiting professor in the Department of Geology at Kuwait University in Kuwait. He went to Kuwait at the invitation of Dr. Ali Al-Temeemi, deputy dean of the faculty of science at Kuwait University, who received his M.S. in geology at Penn State in 1972.

Dr. Howard R. Hall, assistant professor of psychology, has been awarded the Hypnosis Achievement Award by the International Society of Professional Hypnosis for outstanding original contributions in the field of hypnosis research.

Dr. H.R. Hardy, Jr., professor of mining engineering and director of the Rock Mechanics Laboratory, has been named a fellow of the Acoustic Emission Working Group, an organization of more than 200 members devoted to advancing research, education, applications, and instrumentation in acoustic emission.

Two staff members at the Hershey Medical Center have received key appointments with the U.S. Olympic Committee's sports camps training program. Dr. David M. Joyner, clinical assistant professor, and Dr. Alexander Kalenak, associate professor, both of the Department of Surgery's Division of Orthopaedic Surgery, will be resident sports medicine specialists at one of the two-week pre-Olympics training camps held by the USOC.

Dr. Edward J. Massaro, professor of veterinary science and director of the Center for Air Environment Studies, presented a paper on the "Lead and Essential Element Interactions in the Neonatal Rat" and chaired a general session on toxicology at the Health Effects and Interactions of Essential and Toxic Elements International Symposium held in Lund, Sweden. While in Sweden, he discussed problems of lead pollution with researchers at the Karolinska Institute in Stockholm and mutual interests on the effects of antioxidants, selenium and vitamin E, on disease with doctors

at the Children's Hospital at the University of Helsinki.

Dr. Rio Preisner, professor of German, was an invited panel member at a symposium for the *Konservative Aktion* on "Kontinuität oder Wandel in der Ostpolitik" (Continuity of Change in Eastern Bloc Politics) in Munich, West Germany.

Dr. Ronald A. Pursell, professor of botany, presented a paper entitled, "A Preliminary Report on the Fissidens elegans Brid. Complex in Neotropics" at the World Conference of Bryology in Tokyo, Japan, sponsored by the International Association of Bryologists.

Dr. William R. Schmalstieg, head of the Department of Slavic Languages, presented a paper, "Baltic Etymological Dictionaries," at the Seventh Conference on Baltic Studies in Scandinavia, which was held in Stockholm. He also spent 10 days in the Baltic republics of the USSR as the invited guest of the Academy of Sciences of the Estonian SSR.

University Park Calendar

July 14 — 28 Special Events

Thursday, July 14

Ceramic Science seminar, 1 p.m., 301 Steidle, Ivan Meneses, Univ. of Minas Gerais, Brazil, on "Research and Development in the Refractories Industry."

Festival Theatre, *The Dining Room*, 8 p.m., Pavilion Theatre. Also July 15-17, 19-24, 26-31. Sunday performances at 7:30 p.m.

Friday, July 15

Commonplace Theatre, *Animal House*, 7 p.m.; *Rolling Stones*, 9 p.m., 112 Kern. Also July 17.

Saturday, July 16

France Cinema, Truffaut, *Love on the Run*, 7 and 9 p.m., 112 Kern. Also July 18.

Sunday, July 17

HUB Eateries, Brunch, 10:30 a.m.-1:30 p.m., Founder's Room.

Monday, July 18

Ceramic Science seminar, 1 p.m., 301 Steidle, Ivan Meneses, Univ. of Minas Gerais, Brazil, on "Basic Refractories for the Basic Oxygen Furnace and the Cement Industry." VM/CMS seminar, 7:30 p.m., Eisenhower Auditorium. Registration: 863-0422.

Tuesday, July 19

Shaver's Creek Environmental Center, Summer Twilight Hike, 7:30-9:30 p.m. Information, 238-5872.

GSA Explazaganza film, *Fiddler on the Roof*, dusk, Fisher Plaza.

Wednesday, July 20

PA Assoc. of Educational Secretaries meeting, 5:30 p.m., 208 Business Adm. Milton Bergstein, marketing, on "Realities of the 80's."

Shaver's Creek Environmental Center, Fold, Staple and Collate, 6:30 p.m. Registration: 238-5872.

VM/CMS seminar, 7:30 p.m., Eisenhower Auditorium. Registration: 863-0422.

Thursday, July 21

Festival Theatre, *Miss of La Mancha*, 8 p.m., The Playhouse. Also July 22-24, 26-31, August 2-7. Sunday performances at 7:30 p.m.

Friday, July 22

Commonplace Theatre, *Purky's*, 7 p.m.; *Star Trek II*, 9 p.m., 112 Kern.

Saturday, July 23

France Cinema, Fellini, *Aracord*, 7 and 9 p.m., 112 Kern. Also July 25.

Sunday, July 24

HUB Eateries, Brunch, 10:30 a.m.-1:30 p.m., Founder's Room.
Commonplace Theatre, 7 and 9 p.m., 112 Kern.
Shaver's Creek Environmental Center, Moonlight Cane for Two, 8-11 p.m. Registration, 238-5872.

Monday, July 25

VM/CMS seminar, 7:30 p.m., Eisenhower Auditorium. Registration: 863-0422.

Tuesday, July 26

Shaver's Creek Environmental Center, Summer Twilight Hike, 7:30-9:30 p.m. Information, 238-5872.
GSA Explazaganza film, *Cool Hand Luke*, dusk, Fisher Plaza.

Wednesday, July 27

Community International Hospitality Council, Intercultural workshop, 7-9:30 p.m., Eisenhower Chapel. Registration: 863-3927.
VM/CMS seminar, 7:30 p.m., Eisenhower Auditorium. Registration: 863-0422.

Thursday, July 28

Late drop deadline (6 week session).

Friday, July 29

Commonplace Theatre, *Stripes*, 7 p.m.; *Star Wars*, 9 p.m., 112 Kern.

Exhibits

Chambers Gallery

Gallery Hours: 9 a.m.-5 p.m., weekdays.
Central Pennsylvania Festival of the Arts Children's Exhibit.

Arthur H. Scouten, 1976), *The Development of English Drama in the Late Seventeenth Century* (1976); *The Frolics: or The Lawyer Cheated* (edited with Judith Milhous, 1977); *The London Theatre World, 1660-1800* (edited, 1980); and *Vice Chamberlain Coke's Theatrical Papers, 1706-1715* (edited with Judith Milhous, 1982).

His current publication is a collection of his own essays written between 1971 and 1981 which represent an attempt to find new and varied ways of dealing with the drama of this period.

"As a critic concerned with 'affective impact' I am certainly interested in readers and audiences, but exclusive preoccupation with the reader breeds a subjectivity which I cannot accept. Neglecting the text seems to me just as foolish and counterproductive as ignoring the audience which interprets it and responds to it," Dr. Hume writes in the preface to his book.

He says the connecting theme in these essays is a concern with the values to be found in the plays and the impact they have on the audience. The book represents three kinds of work: generic study, critical analysis and contextual study.

These essays present an overview of the drama of this period. They focus on content, ideology and values, impact and genre.

Dr. William S. Kammerer, associate professor of medicine at the Hershey Medical Center, is editor, with Dr. Richard J. Gross, assistant director of the Primary Care Program at The Johns Hopkins and Baltimore City Hospitals, of *Medical Consultation: The Role of the Internist on Surgical, Psychiatric and Obstetric Services*.

"At the time the book was conceived," Dr. Kammerer says, "The authors themselves not only were consulting, but also were training residents to consult.

Kern Gallery

Judy Byron, calico fabric work.
Central Festival of the Arts Juried Photography Exhibition.

Museum of Art

Museum hours: 11 a.m.-4:30 p.m. Closed Mondays, Tues, Sundays, 1:30 p.m.
Waterways of Pennsylvania, drawings and prints by Diane Burko.
Central Pennsylvania Festival of the Arts juried crafts exhibition.

A daily calendar of events is available around the clock at 863-1100. For the latest information on College of Arts and Architecture events, telephone 863-1200.

Selections from the Museum's collection, opens July 17.

Pattee Library

East Corridor Lobby:
Graphics by the Unitarian Fellowship Center, through July 15.
Gerald Lang, drawings.

Visual Arts Zoller Gallery

Gallery hours: 9 a.m.-5 p.m., weekdays.
Central Pennsylvania Festival of the Arts Show.



"Delaware Water Gap #2," colored pencil on watercolor paper, by Diane Burko at the Museum of Art.

They found that the lack of established reference sources made it difficult to teach efficiently or to document data behind their recommendations.

"In addition, the kinds of problems the medical residents were seeing on other services were quite different from those on their own medical service. They had little background in these problems and no references from which to develop an information base.

"The editors felt if they could pull together information from all sources on medical consultation, they would not only develop a much needed reference, but also determine areas which were poorly documented and see what new approaches were being developed."

"The book is geared not only to residents, but to general internists, both university and in private practice. Most of the recommendations are based on published scientific data combined with extensive practical clinical expertise. The contributions of 17 authors from five major teaching hospitals cover a myriad of problems on which the general internist will be asked to consult.

"The book is unique," Dr. Kammerer adds, "in that it covers not only medical patients on the surgical service, but it also

covers medical problems on the psychiatric and obstetrical services, where very little reference material has been readily available.

In addition to editing the book, Dr. Kammerer also contributed a number of articles. He now is working on a second book entitled *Swets of Travelers*.

Dr. Frank J. Swetz, professor of mathematics and education at the Capitol Campus, is co-author with a former student, Liew Su Tim of the University of Teknoljoi, Malaysia, of *Teaching Mathematics in Malaysian Secondary Schools*. Published by Oxford University Press, Malaysia, it is a mathematics teaching methods text and is to be adopted for use by the universities and teacher training colleges of Malaysia. Dr. Swetz wrote the text while serving as a visiting professor at the National University of Malaysia in 1980-81.

The book is designed specifically for use in a developing country where science and mathematics curricula are undergoing rapid change. Its format will allow it to be adopted in other developing countries of the world that have similar mathematical needs to those of Malaysia.

Bookshelf

Ray T. Fortunato, assistant vice president for personnel administration, is co-author with Hugh P. Avery of the University of Houston of a manual on higher education personnel forms.

The book, entitled *Higher Education Personnel Forms* was published by the College and University Personnel Association and provides both samples of a variety of forms and some aids to construction of effective forms.

Rev. Merle U. Fox, retired librarian at the DuBois Campus, is the author of a prayer book entitled *Pathways of Prayer*, published by Carlton Press.

The work emphasizes the significance of prayer in the life of every Christian. Rev. Fox begins with an exposition on the subject of prayer, why Christians pray, the attitude of prayer, and the method of prayer.

Each season of the Church Year is described, followed by a series of actual prayers written and compiled by the author. Litanies, prayers for special occasions and anniversaries, for private worship, and for regular church services are arranged to correspond to the calendar of the Church Year.

Rev. Fox has served in town and country parishes. He joined the DuBois Campus as librarian in 1969 and retired June 30, 1981.

Robert D. Hume, professor of English, is author of the book, *The Rakish Stage: Studies in English Drama, 1660-1800*, published by Southern Illinois University Press.

A scholar of 18th century English literature, Dr. Hume also is the author or editor of the following books: *Dryden's Criticism* (1970); *The Country Gentleman: A 'Lost' Play and Its Background* (edited with

Bieniawski family is happy about U.S. citizenship

Dr. Z.T. (Dick) Bieniawski and his family came to the State College area from three countries — Dr. Bieniawski from Poland; his wife, Elizabeth, from Scotland, and their three sons from South Africa where they were born.

On July 8, the entire family became U.S. citizens in a naturalization ceremony held at the Bellefonte Courthouse.

"We are very happy about our citizenship," Dr. Bieniawski says. "We've been waiting a long time (five and a half years) for this." Sons Paul, who was 18 two days after the ceremony; Andrew, 16; and Stefan, 12, were among the 30 people sworn in as U.S. citizens.

Born in Poland, Dr. Bieniawski came to the University on March 1, 1978, as a professor of mineral engineering. He became director of the Mining and Mineral Resources Research Institute in 1980.

The family emigrated to the United States from South Africa and was granted permanent resident status. That residency status, however, did not satisfy the Bieniawskis for long.

"I firmly believe if you adopt a country, you should become a member of the country," Dr. Bieniawski says. "We feel this is our home. It is very gratifying to become a U.S. citizen."

Obtaining citizenship wasn't easy, but neither was the route he traveled to reach his goal. He left Poland in 1956 while a student to join his parents in Northern Rhodesia.

His father became separated from the family during World War II. When the war was over, the British government offered the elder Bieniawski the choice of settling in Rhodesia or India.

For 17 years, the Bieniawski family remained apart. Dr. Bieniawski and his mother left Poland during 1956-59 when the borders were open due to uprisings in Poland and Hungary.

"I was very well aware of what it was like to live in a Communist society," Dr.

Bieniawski says. "It didn't take me long to decide to stay in the West." He didn't return to Poland for 24 years.

When he arrived in South Africa, he didn't speak English, and he learned that his degrees from Gdansk Technical University would not be recognized. He had to start his engineering education over again. He earned B.S., M.S. and Ph.D. degrees from the universities in Johannesburg and Pretoria.

From 1966-77, he directed the Rock Mechanics Division of the Council for Scientific and Industrial Research — South Africa's national research organization. During this period, he traveled extensively to Europe, Africa, Australia, Japan and North and South America delivering lectures and attending conferences.

In 1965, he visited the United States and Penn State for the first time. "I remember how very beautiful the campus was and was impressed with the high scientific standing of the University. I liked the unique blend of campus and downtown."

In 1976, he and his wife talked about leaving South Africa. He didn't like the political situation and the lack of research opportunities in the country. He remembered Penn State and wrote to inquire about openings in mineral engineering.

"I knew what freedom and freedom of expression meant and decided that the United States was where I wanted to live. We didn't want to come to the United States on a visa but as a permanent resident," he relates.

To accomplish his goal, he went through a series of steps including being offered a job, proving to the U.S. Department of Labor that there were no other Americans eligible for the position and being cleared with the U.S. Department of Immigration, FBI and Department of State.

"It took nine months," he says. In January 1978, he received permanent residency status. To apply for citizenship,

the family established five years of uninterrupted residency in State College.

They applied to become citizens in March and began studying the U.S. Constitution, American history and the structure of the federal, state and local governments. The family members also identified their reasons for wanting to become citizens.

Dr. Bieniawski says there were five reasons:

— "the sense of freedom and justice that we find in America is so important and such a treasure by comparison with other nations that it makes the United States an overwhelming choice.

— "I believe firmly that America is a land of opportunity.

— "I'm impressed with the friendliness,

help and good will shown to us at Penn State and elsewhere. Americans are very friendly and accept you as you are.

— "Having traveled throughout the world, I have faith in America's future, and I want my sons to grow up as Americans.

— "I've never seen such a beautiful country. America is a land of unparalleled natural beauty."

He says he has learned that freedom must be earned. In 1981, he visited Poland on behalf of the University. Solidarity was at its peak.

"It made me appreciate what freedom and justice means seeing Poland with no freedom and limited opportunity."

— Deborah A. Benedetti



Photos: Scott Johnson

The Bieniawski family: (from left) Elizabeth, Stefan, Dick, Paul and Andrew.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., July 21, 1983. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap or age (as provided by law), sex, or status as a disabled or Vietnam era veteran.

● **Field Supervisor, DHIA, College of Agriculture** — Responsible to the administrative assistant — DHIA, for representing and promoting the DHIA in the field throughout the Commonwealth, for the training and monitoring of the DHIA supervisors and for the accuracy of collected data. Conduct field training and monitor the performance of DHIA supervisors in assigned geographical areas; instruct new supervisors in methods of weighing and sampling milk; data collection procedures on feed, prices, breeding, etc. Carry out verification tests on high producing herds and herds involved in questionable practices, as required by the National DHIA. Provide interpretation of DHIA rules, regulations, programs and operations to supervisors and DHIA members. Requires an associate degree (or equivalent) in agriculture, preferably dairy science plus two to three years of effective experience. General experience with microcomputers desirable. This position will not be housed at University Park, but is expected to be located in Central Pennsylvania (works out of home).

● **Administrative Assistant, Capitol Campus** — Responsible to the head, Division of Business Administration for providing administrative

services to the faculty and students which include academic and curriculum advising, course scheduling, operating plan preparation and general course administrative matters. A bachelor's degree, or its equivalent, plus a minimum of two years of administrative experience, preferably in an academic environment.

● **Assistant Director, Annual Giving, Gifts and Endowments, University Park** — Responsible within the Annual Fund program for selective direct mail solicitation programs; telephone solicitation campaigns; development of Parent's Fund; coordination and implementation of college and other constituent fund raising programs, senior class gift programs and other student/alumni related programs. Bachelor's degree in journalism or related field plus two to three years of effective experience in fundraising or promotional activities; or related external relations work in higher education. Strong oral and written communication skills, creativity, organizational and administrative experience are essential. Also the ability to work with educational professionals and volunteers from various constituencies.

● **Industrial Engineer, Management Engineering, University Park** — Responsible to the senior industrial engineer for providing consulting services to University administrative areas in matters of organization, equipment and human resource utilization and other industrial engineering concerns. Plan and conduct time studies, sampling studies and methods analysis; prepare office and shop layouts. Prepare letters or recommendation and/or procedure manuals. Bachelor's degree in industrial engineering (or equivalent) plus two to four years of effective experience required.

● **Coordinator, Opportunities in Technology Grant Program, Wilkes-Barre Campus** — Responsible for the administration and coordination of secondary school relations, counseling and testing services, promotion and publicity activities, special programs, workshops, etc. related to career opportunities in technology for secondary school staff,

students, and adults and non-traditional students, B.S. degree (or equivalent) plus one to two years of effective experience in counseling, placement, admissions, etc. Training or experience related to engineering technology highly desirable. THIS IS A FIXED TERM POSITION FUNDED FROM 7-1-83 to 6-30-84.

Research position open

Applications are being accepted for the position of a part-time research assistant teacher to work with preschool deaf children at The Pennsylvania School for the Deaf in Philadelphia, Pa. The research assistant must be knowledgeable in Basic Sign Language for the deaf and competent in teaching reading with microcomputers. Qualifications include bachelor's degree in education, psychology, communication

disorders or related field plus six months experience. Prior experience with microcomputer assisted instruction preferred but not required. Position available September 1983 to June 1984.

Applicants should send resume by July 27 to Dr. Philip M. Prinz, Division of Special Education and Communication Disorders, 217 Moore Building, University Park, PA 16802, or Dr. Keith Nelson, Department of Psychology, 414 Moore Building, University Park, PA 16802.

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William W. Asbury

Resident instruction enrollment at 11,086

The preliminary figure for summer resident instruction enrollment at the University is 11,086, according to Dr. Robert E. Dunham, vice president for undergraduate studies.

"That compares with 11,922 last summer," he notes. "Total resident instruction enrollment at the University is down by 836."

University Park, Capitol Campus and the College of Medicine at Hershey all show summer enrollment declines. Enrollment at the King of Prussia Graduate Center is up this year.

The 17 Commonwealth Campuses and Behrend College in Erie are not included in summer term enrollment figures because students at those campuses are scheduled in the summer through Continuing Education rather than through resident instruction, Dr. Dunham notes.

Here are the preliminary enrollment figures for resident instruction:

- University Park, 10,036, down 643.
- Capitol Campus, 624, down 196.
- Hershey, 238, down 40.
- King of Prussia, 188, up 43.

Asbury is promoted to new position

William W. Asbury, affirmative action officer and assistant to the provost, has been promoted to executive assistant to the president for administration, effective Aug. 1.

"I am pleased to promote Mr. Asbury, who has excellent administrative skills, into a position with expanded responsibilities," said President Jordan.

"In his seven years with the University, he has earned the respect and confidence of faculty and administrators on all campuses."

In his new position, Dr. Jordan added, Mr. Asbury will be "responsible to the president for providing primary administrative support and advice on a broad range of matters."

"He will, for example, serve as liaison between my office and other University offices for implementation of Penn State's Title VI plan for equal opportunity, and on other affirmative action matters."

His other duties will include investigating and evaluating issues,

drafting reports and position papers, representing the president on appropriate occasions and serving as a communication link between the Office of the President and other University offices.

Mr. Asbury will fill a position, with expanded duties, now occupied by Dr. Doris M. Seward, executive assistant to the president. She will retire Nov. 1.

Ulysses Harold Levy, affirmative action specialist, will serve as acting affirmative action officer until a permanent successor to Mr. Asbury is selected.

Prior to joining the University on June 1, 1976, Mr. Asbury had served as director of human resource utilization at Kent State University. In that position, he was responsible for administering the Affirmative Action and Equal Employment Opportunity Programs.

From 1970-74, he was contract compliance officer for the city of Akron, administering the city's Equal Employment Opportunity program on public contracts. Earlier, he had been a

senior consultant with the Akron employment agency, Sanford Rose Associates.

He played professional football from 1966-69 with the Pittsburgh Steelers.

Formerly from Cincinnati, Mr. Asbury attended Kent State where he received his bachelor of arts degree in sociology and anthropology in 1966 and his master of arts degree in sociology in 1973.

He is chairman of the Centre County Advisory Council to Pennsylvania Human Relations Commission and the Higher Education Liaison Committee of the Region III office of Federal Contract Compliance Programs and parliamentary of the Pennsylvania Black Conference on Higher Education.

He was formerly a board member of the Hemlock Girl Scout Council, Strawberry Fields, Inc. and the State College Chapter National Association for the Advancement of Colored People. He also is a member of Penn State's Forum on Black Affairs and the University Club.

Mineral Engineering receives SOHIO award

The Department of Mineral Engineering has been named one of five recipients of a Center for Scientific Excellence award by the Standard Oil Co. of Ohio.

The award makes the University's Center in Mining Technology eligible for up to \$2 million in research funds over a five-year term.

SOHIO is awarding a total of \$10 million to five universities, but the exact amount for each institution is still under negotiation, SOHIO officials said.

Other award winners were the University of Cincinnati's Center of Excellence on Membrane Technology, the University of Illinois at Urbana's Center in Crop Molecular Genetics and Genetic Engineering, the Massachusetts Institute of Technology's Center in Offshore Engineering and Stanford University's Center for Forecasting Research

Performance.

Nearly 1,000 research proposals were submitted for consideration, SOHIO officials said.

"We're delighted to be one of the centers," said Raja V. Ramani, professor of mining engineering and co-director of the Center in Mining Technology.

"We're happy to have this kind of collaboration with a large operating company which provides access to mines. That's one of the most important aspects of this grant."

Co-director with Dr. Ramani of the center will be Robert L. Frantz, professor of mining engineering and head of Penn State's Department of Mineral Engineering.

The entire 12-member faculty of the mining engineering section of the Department of Mineral Engineering will

be involved in the project, Dr. Ramani said. Their research will focus on longwall mining, a system in which mining is conducted across a 300- to 400-foot-long face using a machine which pulls itself along a conveyor. Self-advancing roof supports protect workers and equipment in the process, Dr. Ramani explained.

Dr. Ramani noted that the University's mining engineering faculty is the largest in the country, and enrollment in both the undergraduate and graduate programs has consistently been among the largest in the nation.

"All the elements that are needed to create a Center for Scientific Excellence in Mining Technology — critical mass of outstanding faculty, qualified graduate students, modern research facilities and a proven track record of results-oriented activities — are in place," he said.

University submits Ben Franklin funding proposal

The University has submitted a proposal for approximately \$4 million in funding to the state's Ben Franklin Partnership Challenge Grant Board.

In submitting the proposal, Penn State was acting on behalf of the Advanced Technology Center of Central and Northern Pennsylvania — one of four created earlier this year through the Ben Franklin program in the state Department of Commerce.

"Our proposal includes 33 projects specifically designed to help with the economic development of the region," Dr. John L. Leathers, executive director of the ATC of CNP, said. "In all, more than 100 projects were proposed to us with a total program value of over \$28 million."

The Ben Franklin program's challenge grants are to be used to improve Pennsylvania's economic climate, primarily by creating or preserving jobs in the state. The four advanced technology centers recently submitted proposals for funding for programs of research, education and to support existing industries or attract new ones.

"The funds will be awarded by the Ben Franklin Board on a highly competitive basis," Dr. Leathers said. "The proposals submitted by the four centers request more than double the funds available."

The Ben Franklin Board met in executive session in Harrisburg on Monday and is currently scheduled to take final action on allocations for next year on Aug. 11. It has \$10 million to allocate to the four centers for its fiscal

'In all, more than 100 projects were proposed to us with a total program value of over \$28 million. ... We had to make some very difficult decisions.'

— John L. Leathers

year, beginning Sept. 1, 1983.

Dr. Leathers said the 33 projects included in the proposal were proposed by Penn State faculty members, affiliate institution faculty and local groups throughout central and northern Pennsylvania to staff at the center's two satellite offices and to its three program directors.

Proposals were evaluated by appropriate citizen advisory groups, he said, before being forwarded to the center's Consortium Advisory Panel, which advises the executive director. The advisory panel includes representatives from labor, industry, business and education groups throughout the region.

"We had to make some very difficult decisions," he said. "Some projects that were not included in the proposal may be included — in revised form — in some future ones."

He noted that the ATC of CNP is unique among the state's advanced technology centers in two ways: it

includes two satellite centers (in the Harrisburg-York-Lancaster area and in the Erie area) and serves a large geographical region with relatively few high population centers.

In addition, families living in about 81-percent of the counties in the region report family incomes below the state's average. It also is an area in which employment is heavily dependent upon small businesses — those employing 50 or fewer people and having annual sales in excess of \$5 million.

In most of the areas, he added, there is no dominant industry. However, roughly one-third of the region's residents are employed in manufacturing, a dwindling source of employment.

In March, the ATC of CNP received \$250,000 in start-up funding from the state for its first month of operation. The current proposal is for funding to continue and expand the operation of the ATC of CNP in 1983-84. Dr. Leathers said the funding from the state would be supplemented by a special, targeted fund-raising effort on the part of the ATC of CNP.

The center currently is staffed by three program directors: Paul W. Houck, the "Entrepreneurial Assistance Center"; James W. Lundy, research activities; and Dr. Robert E. Nicely Jr., scientific education and technology training; and two satellite directors, Dr. Kathryn Towns, the southcentral center; and Dr. Anthony Salvia, the northwest center.

From the Trustee Docket

Transfer of 12 acres

The transfer of approximately 12 acres of ground to the Centre County Airport Authority from the University has been approved by the Board of Trustees.

The airport authority plans to construct a new terminal with long-term and short-term parking facilities on the site that is adjacent to the temporary structures now being used as a terminal for the University Park Airport," said Steve A. Garban, senior vice president for finance and operations.

The University owns the University Park

Airport. The terminal construction project, however, is being undertaken by the Centre County Airport Authority, an independent organization.

The total estimated cost of the terminal construction is \$517,000 with federal funding in the amount of \$193,875. The state will provide \$96,937 and the balance of \$226,188 will be from contributions from local industries and financial institutions.

In other action, Trustees approved a plan for the paving of a 60,000 square foot apron area to park planes using the new

terminal at University Park Airport, with a paved connector between the apron and Taxiway A at the airport.

This project will cost \$312,975, with federal funds accounting for \$281,677 of the cost. The state is providing \$15,648, and the University's share is \$15,650.

Construction projects

Final plans for several construction projects have been approved by Trustees.

Installation of a medium-sized coal-fired boiler at the University's Capitol Campus, to supplement existing gas- and oil-fired facilities, was approved at a cost of approximately \$1.1 million. Funds are to

be provided by the state Department of General Services.

New public restrooms for Beaver Stadium are being installed to help reduce congestion at existing stadium restrooms. They will serve primarily student sections in the southwest area of the stadium. The project will cost \$185,000, and it will be paid for by the Department of Intercollegiate Athletics, through revenues derived from football receipts.

Trustees also approved adding a new loading dock to the Foods Building at University Park. The \$70,000 project will provide additional storage room and will be paid for by Housing and Foods Service renewals and replacement funds.

Appointments

Dr. C. Max Lang, professor and chairman of the department of comparative medicine, has been appointed assistant dean for continuing education at the College of Medicine at the Hershey Medical Center.

Dr. Lang's appointment, effective July 1, was announced by Dr. Harry Ryskowski, provost and dean at the Medical Center.

Dr. Lang will continue to serve as chairman of the department of comparative medicine and director of the animal resource facility.

A native of Illinois, he received both his B.S. and D.V.M. degrees from the University of Illinois in Urbana. He worked as a research fellow in laboratory animal medicine at the Bowman Gray School of Medicine, Winston-Salem, N.C.

In addition to serving on the editorial boards of a number of scientific journals, he has authored and co-authored more than 80 scientific publications. His specific interests are in laboratory animal medicine, and he has written a number of publications on the guinea pig as an animal model for diabetes mellitus.

Dr. Samuel H. Smith, dean of the College of Agriculture, has been elected chairman of the Council of Academic Deans. He

succeeds Dr. Theodore L. Gross, who resigned as provost and dean of the Capitol Campus.

Commenting on his appointment, Dr. Smith said, "I am looking forward to serving as the chairman of the Council of Academic Deans. It is important during President Bryce Jordan's first year to establish a strong, beneficial working relationship between the Council and the President's office. I look forward to a busy, eventful and exciting year, and hope that the other members of the Council share my enthusiasm."

Dr. Smith was named dean of the College of Agriculture in 1981. He joined Penn State in 1969 as an associate professor of plant pathology and became a full professor in 1974. He was named head of the Department of Plant Pathology in 1976.

A native of Salinas, Calif., Dr. Smith earned both his bachelor's degree and Ph.D. in plant pathology from the University of California, Berkeley. He is a member of the American Association for the Advancement of Science, the American Institute of Biological Sciences and the American Phytopathological Society.

Dr. Smith also has worked as a plant pathologist for the U.S. Department of Agriculture and served as a consultant for several private firms.

Obituaries

John P. Foley, instructor in accounting at Fayette Campus since Sept. 1, 1978, died July 6. He was 32.

Susan J. Lieberman, assistant librarian at

Pattee Library since June 15, 1981, died July 8 at the age of 38.

John E. Heverly, cook and assistant dining hall supervisor in Housing and Food Services from Sept. 15, 1948, until his retirement June 26, 1979, died July 18. He was 63.



Dr. C. Max Lang



Dr. Samuel H. Smith

Penn Staters

Dr. K. Danner Clouser, professor of humanities at Hershey Medical Center, served as director of a week-long workshop on ethical issues in the health professions and biomedical sciences sponsored by The Hastings Center at Vassar College.

Sam Cordes, associate professor of agricultural economics, has been elected chairman of the American Rural Health Association — the first national organization working to improve the health of rural Americans.

Dr. Laurence M. Demers, professor in the department of pathology, was elected president-elect of the National Academy of Clinical Biochemistry for 1983-84. He will assume the presidency in 1984-85.

Dr. Joseph Drago, associate professor of surgery, was appointed Liaison Fellow of the Commission on Cancer at the Hershey Medical Center by officers in the American College of Surgeons.

Dr. Gunhild O. Hagestad, assistant professor of individual and family studies, has received a Research Career Development Award from the National

Institute on Aging. The award is designed to free researchers from teaching responsibilities, allowing them to concentrate their efforts on scholarly work. It is normally given for a five-year period. Dr. Hagestad's research will concentrate on parent-child relations in adulthood.

Dr. Teh-wei Hu, professor of economics, has been selected as a Fulbright scholar to visit Nankai University, Tianjin, People's Republic of China, beginning this fall. While in China, he will lecture on econometrics and cost-benefit analysis and will visit several major economics departments to assess the state of research and teaching on western economics.

Dr. James W. Kelz, professor of education, has received the immediate past president's plaque "in recognition of his leadership and dedication toward rehabilitation and the Pennsylvania Rehabilitation Association."

Dr. Carol Farley Kessler, assistant professor of English and American studies at the Delaware County

Campus, presented an invited lecture, "Daring to Dream: Utopian Fiction by United States Women," under the joint sponsorship of the Amerika Haus Munchen and the Amerika-Institut des Universitat Munchen, in Munich, West Germany.

Cynthia King, assistant to the dean for minority admissions, has been appointed conference chairperson of the Tenth Annual Black Conference on Higher Education to be held Feb. 29 through March 2, 1984, in the Pittsburgh area.

Dr. John Pennock, assistant professor of surgery, presented the 29th Annual Weiskotten Lecture on "Heart Transplants/Artificial Hearts — Can We Afford Them? Do We Need Them?" during the Fourth Annual Teaching Day: Social and Ethical Issues in Medicine at the Upstate Medical Center of the State University of New York in Syracuse. The lecture was sponsored by the Syracuse Medical Alumni Association Inc.

Dr. Chinthamani Channa Reddy, assistant professor of veterinary science

associated with the Center for Air Environment Studies, has been awarded a Research Career Development Award by the National Institutes of Health, which will cover his total salary for the next five years.

Wade Saunders, assistant professor of art, exhibited his painted bronzes at the Newspace Gallery in Los Angeles, Calif.

Dr. E.J. Skudrzyk, professor emeritus of physics, received the Institute of Acoustics Rayleigh Medal for 1983 during Internoise '83, the twelfth International Conference on Noise Control Engineering, in Edinburgh, United Kingdom. The medal is awarded annually to persons for outstanding contributions in acoustics and is presented alternately to a United Kingdom and a foreign acoustician.

Dr. Jerry L. Wircenski, associate professor of vocational education, has been named editor of the Journal of Vocational Special Needs Education. The appointment, effective July 1, 1983, is for three years.

Partings

Margaret J. Biggers, who retired June 30 as secretary for the Mineral Conservation Section in the College of Earth and Mineral Sciences after 20 years of service, will not want for things to keep her occupied in the coming years.

Running, skiing, sailing, working with her husband in their antique business, trying out recipes she's been collecting for years, looking after her four cats, and perhaps working with organizations devoted to animals are some of the activities she is looking forward to.

A native of Bradford, Pa., she worked for the Bradford Era for 16 years, and was serving as national advertising manager when she was married and moved with her husband to Niagara Falls, N.Y. There she spent six years with the General Abrasive Company.

When her husband, Jim, now a senior research associate at the Materials Research Laboratory, came to Penn State in 1962 to earn his Ph.D. in metallurgy, she worked briefly for HRB Singer Co. before joining the secretarial staff of the College of Earth and Mineral Sciences in 1963. She worked in the Geophysics and Metallurgy program offices until moving to the Mineral Conservation Office more than a decade ago.

Richard A. Klima, assistant professor of physical education, retired June 30 after 23

years of service.

He joined the faculty Sept. 1, 1959, and has taught in the basic physical education program since then. He also was head fencing coach from 1962-72. Mr. Klima plans to live in Florida during his retirement.

David R. Simboli, assistant professor of English at the Berks Campus, retired June 30 after 23 years on the University faculty. Mr. Simboli has been teaching courses in composition, literature and the humanities at the Berks Campus since 1966. He previously served on the Schuylkill Campus faculty from 1960-66.

A cum laude graduate of Harvard College, he was the recipient in 1977, 1978 and 1981 of Berks Campus Scholarly Activity Grants for work on his book, tentatively titled "The English Teacher's Home Companion."

At Berks Campus he has served on the Publication Board, was adviser to the student newspaper in 1978-79, and was coordinator for the Berks Campus English Department in 1980-81. He was Pennsylvania chairman from 1970-73 of the Awards Committee of the National Council of Teachers of English.

He was for many years a member of the American Association of University Professors, the American Civil Liberties Union and Common Cause.

Alan B. Wentz, extension agent, Agriculture in Cumberland Co., from April 23, 1973, to April 30.

Mary E. Evey, records team leader, Registrar, from Dec. 28, 1971, to June 29.

Cora M. Henschen, records team leader, Registrar, from Feb. 1, 1972, to June 29.

Louisa M. Atherton, instructor in biology, from Jan. 16, 1966, to June 30.

Allen W. Benton, professor of entomology, from Jan. 17, 1966, to June 30.

Robert M. Brown, assistant professor of education, from July 1, 1967, to June 30.

Cynthia N. Brutzman, employment specialist, Personnel, from May 17, 1965, to June 30.

Marietta L. Crissman, administrative aide, Engineering, from July 1, 1969, to June 30.

Helen M. Dawes, food production worker, Hazleton Campus, from Sept. 29, 1971, to June 30.

Louise H. Ford, supervisor, office and accounting, Physical Plant, from Jan. 1, 1964, to June 30.

Dr. William E. Gordon, associate professor of chemistry, McKeesport Campus, from Sept. 1, 1966, to June 30.

Anna E. Hostler, janitorial worker, Health Services, from Sept. 9, 1968, to June 30.

Edgar H. Palpant, research assistant in forestry, from Nov. 1, 1966, to June 30.

Mildred D. Cox, secretary, Beaver Campus, from July 1, 1969, to July 1.

George M. Kole, instructor in educational psychology, McKeesport Campus, from Sept. 18, 1972, to July 1.

Dorothy L. Lauck, accounting clerk, Liberal Arts, from Aug. 1, 1972, to July 1.

Lawrence W. Rishel, engineering aide, Applied Research Laboratory, from March 28, 1966, to July 1.

Maxwell M. Stevenson, operations foreman, Hershey, from Oct. 21, 1969, to July 1.

Josephine K. Heckert, secretary, Hershey, from April 3, 1972, to July 9.

A. James-Liedtke, professor of medicine, Hershey, from Oct. 21, 1969, to July 1.

Evelyn L. Lingle, patient care assistant, Hershey, from Nov. 2, 1970, to July 16.

Thelma R. Umbower, clerk, Library, from Feb. 1, 1973, to July 16.

Sara R. Herr, clerk, York Campus, from Sept. 1, 1972, to July 22.

WPSX-TV special to air

Pennsylvania's metals industries are examined in a WPSX-TV special at 9:30 p.m. Friday, July 29, on Channel 3.

"The Metals Industries—What's Ahead?" reflects the latest thinking of leaders in the field, many of whom spoke at a one-day conference held at the University in April.

The conference, which was part of a celebration of the 75th anniversary of the University's Metallurgy Program, included Penn State alumni as panel members. Former University President Eric A. Walker, professor emeritus and former chairman of the Fuel Science Section in the College of Earth and Mineral Sciences, moderated the panel discussion.

Appearing as panel members in the program are Penn State alumni Hal Harman and Frederick Langenberg of Interlake, Inc., Ill.; Dennis J. Carney of the Wheeling-Pittsburgh Steel Corp.; Dr. Adolph Lena of Al Tech Specialty Steel Corp.; and Frank Luerssen of Inland Steel Co.

Nobel Laureate to speak

Dr. David Baltimore, Nobel Laureate in physiology and medicine, will be the keynote speaker at the Summer Symposium in Molecular Biology today and Friday at University Park.

Carpoolers

Paula May needs a ride from Continental Courts to Borland Lab. She works from 8 a.m. to 5 p.m. and can be reached at 865-5444.

A professor of biology at Massachusetts Institute of Technology and director of the Whitehead Institute for Biomedical Research, he will discuss "The Amazing Variability of Antibodies."

He shared the Nobel Prize in 1975 with Howard M. Temin and Renato D'albacco.

He is one of 20 speakers in the Summer Symposium in Molecular Biology, which is part of the University's Cooperative Program in Recombinant DNA Technology, a University/industry information transfer effort.

For more information, contact Dr. S. Edward Stevens Jr. at 863-3693 or 865-1294.

CE registration set

Employees are reminded that registration for Continuing Education evening classes at the University Park Campus will be held from noon to 8 p.m. Thursday, Aug. 25, and from 9 a.m. to 4 p.m. Friday, Aug. 26, in 101 Kern Bldg.

Because of the semester conversion, a student will be able to schedule as many as three courses on a Monday-Wednesday sequence and/or a Tuesday-Thursday sequence.

Employees who want to enroll in evening classes or who have questions should contact the Continuing Education Office, 102 Boucke Bldg., phone 865-3443.

Judy Bailey is looking for a ride from Aaronsburg to the University. She works from 8 a.m. to 5 p.m. in Deike Bldg. and can be reached at either 865-6393 or 349-8155.

Philosophy conference on Dilthey set

The Center for Advanced Research in Phenomenology in conjunction with the Summer Program in Phenomenology at the University will sponsor an international conference on Wilhelm Dilthey and Phenomenology from Friday, July 29, through Sunday, July 31, in 112 Walker Building.

The conference, which is supported by grants from the Franklin J. Matchette Foundation and the Pennsylvania Humanities Council, celebrates the 150th anniversary of Dilthey's birth and the centennial of his *Einleitung in die Geisteswissenschaften*.

Dilthey, a protagonist of the philosophy

of life, is one of the founders of contemporary hermeneutic philosophy. His work ranged over philosophy, psychology, history and religion, and he is best known for his contributions to the foundation of the so-called

"Geisteswissenschaften," the historical disciplines in which interpretation plays an important part.

Papers will be presented by Dilthey scholars from Europe, Canada and the United States.

For more information, contact Holly Wilson at 863-0568 or Dr. Joseph Kockelmans at 865-1653.

24 extension agents statewide promoted

Dr. Wayne Hinisch, associate dean for Penn State Extension, announced promotions of 24 extension agents statewide. Promoted to senior extension agent were: Herb Wetzel and Fay Strickler, Berks County; Diane Brown, Southeast Region; and Herb Terndrup, Cambria County.

Promoted to full extension agent were: Edward Horning, Centre County; Josephine Koth, Luzerne County; Arnold Lueck, Lancaster County; and Dawn Olson, Monroe County.

Promoted to associate extension agent were: Jan Marie Allen, Lancaster County; Judith Barber, McKean County; Graham Bell, Southern Allegheny Region; Annie Burney, Allegheny County; Patricia Conon, Northumberland County; Cheryl

Faibairn, Chester County; Scott Guiser, Bucks County.

Richard Kaufman, Berks County; Joann Logan, Westmoreland County; Barbara McKee, Armstrong County; Craig Morgan, Schuylkill County; Barry Nelson, Mercer County; Michelle Rodgers, Lancaster County; Nancy Stevens, Montgomery County; Mary Ann Yurchish, Washington County; and Keith Zanzinger, Chester County.

The entry level for field staff in the Extension Service is program assistant. They can then move upward in rank to assistant extension agent, associate extension agent, full extension agent and senior extension agent—the highest rank an extension agent can achieve.

Helen C. DeFurio to administrative aide in Science.

Judith A. Kauffman to inpatient staff nurse (PNA) at Hershey.

Clerical

Sandra J. Butts to accounting clerk in Controller's Office.

Julie K. Cole to correspondence typist in Health, Physical Education and Recreation.

Carol M. Coppolino to secretary C in Liberal Arts.

Debra E. Detwiler to secretary B in Earth and Mineral Sciences.

Michael Gates to clerk, drafting room A in Physical Plant.

Doris J. Gentzel to records team leader in Registrar.

Bette J. Hensch to senior registration clerk

at Hershey.

Sherry M. Hornyak to secretary C at Shenango Valley.

Delores M. McGee to secretary B at Beaver.

June K. Owens to secretary B in Libraries.

Ruby A. Shepherd to secretary C in Business Administration.

Linda Susan Smith to accounting clerk in Controller's Office.

Joann M. Spangler to secretary B at Hershey.

Debra L. Steily to clerk A at Hershey.

Shirley M. Walker to records team leader in Registrar.

Technical Service

Anthony T. Basti to central processing aide at Hershey.

James B. Blow to group leader, truck

driver, heavy in Intercollege Research Programs.

James G. Dunn to maintenance worker A at York.

Danny Thompson to shipping clerk at Bookstore.

John Yohn to maintenance worker, area landscape in Physical Plant.

INTERCOM is an internal communications medium published for the faculty and staff of The Pennsylvania State University by the Office of Public Information and Relations, Room 312 Old Main, phone 865-7517.

William E. Campbell, Jr., Editor
Deborah A. Benedict, Assistant Editor
Calendar Editor—865-2501

Promotions

Staff Exempt

Mac E. Bryan to project supervisor in Intercollege Research Programs.

Janice Courtogous to assistant extension agent in Agriculture.

Joni E. Finney to assistant director in Student Affairs.

Gregory A. Ingram to classification analyst in Personnel Administration.

Kim M. Maney to accountant—student loans in Controller's Office.

Shannon M. Neumann to assistant extension agent in Agriculture.

Staff Non-Exempt

Emily J. Anselmi to master terminal operator in Management Services.

Calendar

July 28 — August 11

Special Events

Thursday, July 28

Late drop deadline (6 week session).

Summer Symposium in Molecular Biology,
contact Dr. S. Edward Stevens Jr., 863-6393
or 865-1294 Also July 29

Friday, July 29

Wilhelm Dilthey and Phenomenology
Conference, 112 Walker Bldg., contact Dr.
Joseph Kockelmanns, 865-1653. Continues
through July 31.

Physics Seminar, "High Pressure Raman

Scattering Studies on Solids," S. Minomura,
Univ. of Tokyo, 4 p.m., 339 Davey Lab.
Commonplace Theatre, *Stripes*, 7 p.m.; *Star
Wars*, 9 p.m., 112 Kern.
WPSX TV special, "The Metals Industries —
What's Ahead?", 9:30 p.m., Channel 3.

Saturday, July 30

France-Cinema, *Mishra*, 1:30 a.m. to 4 p.m.
Love, 7 and 9 p.m., 112 Kern. Also August
1.

Sunday, July 31

HUB Eatery, Brunch, 10:30 a.m.-1:30 p.m.,
Founder's Room.
Shaver's Creek Environmental Center,
Wildflower Walk, 2 p.m. Information,
238-5872.

Commonplace Theatre, 7 and 9 p.m., 112
Kern.

Monday, August 1

Late drop deadline (8 week session).

Tuesday, August 2

American Red Cross, Bloodmobile, 10 a.m.-4
p.m., HUB Ballroom.
GSA Explazaganza film, *Snul*, dusk, Fisher
Plaza.

Friday, August 5

Commonplace Theatre, *Life of Brian*, 7 p.m.;
The Graduate, 9 p.m., 112 Kern. Also August
7.

Saturday, August 6

France-Cinema, *Fassbinder, Lili Marleen*, 7 and 9
p.m., 112 Kern. Also August 8.

Sunday, August 7

HUB Eatery, Brunch, 10:30 a.m.-1:30 p.m.,
Founder's Room.

Tuesday, August 9

Early registration, through August 15.
GSA Explazaganza film, *Harry and Tom*, dusk,
Fisher Plaza.

Wednesday, August 10

Classes end.

Exhibits

Kern Gallery

Larry Bartosh, bronze and terra cotta sculpture,
opens August 2.
Art Alliance portrait and self-portrait drawings,
opens August 3.

Museum of Art

Museum hours: 11 a.m.-4:30 p.m. Closed
Mondays, Tours, Sundays, 1:30 p.m.
Waterways of Pennsylvania, drawings and
prints by Diane Burko.
Central Pennsylvania Festival of the Arts juried
crafts exhibition.
Selections from the Museum's collection.

Pattee Library

East Corridor Lobby:
Gerald Lang, drawings, through August 1.

Visual Arts Zoller Gallery

Gallery hours: 9 a.m.-5 p.m., weekdays.
Haejin Shin, printmaking, opens August 1.

News in Brief

Fall Semester calendar deadline
Information for the Fall Semester
calendar is due Aug. 11. The calendar,
to be published in the Aug. 25 edition
of INTERCOM, will cover the first
eight weeks of the semester through
Oct. 13. Information should be sent to
the calendar editor, 301 Old Main
(865-2501).

Red Cross Bloodmobile on campus
The State College Chapter of the
American Red Cross bloodmobile will
be at the HUB ballroom from 10 a.m.
to 4 p.m. Tuesday, Aug. 2.

Dinner party cruise offered

A dinner party cruise aboard the
"Spirit of Pittsburgh" for friends of the
University will be held starting at the
Gateway Clipper Dock, Station Square,
Pittsburgh, at 7 p.m. Saturday, Aug. 6.

Special guest on the cruise will be
President Jordan. The three-hour
celebration in honor of his arrival is
sponsored by the Alumni Association
and the student Lion Ambassadors.

The event is open to the public.
Deadline for registration is Aug. 1.
Space is limited to the first 400
applicants. Tickets cost \$20 per person
and may be obtained by mailing a
check payable to the Penn State
Alumni Association to: Lion
Ambassadors, Dinner Cruise, 105 Old
Main, University Park, PA 16802. For
more information, contact the Lion
Ambassadors' office at (814) 865-6516.

Free nursing consultation

Parents with children of any age may
receive nursing consultation about their
families' health during the 1983 fall
semester from the Nurse-Family Health
Service.

This service is offered by the
Department of Nursing.

Each participating family receives a
minimum of eight one-hour visits in
the home by an advanced nursing
student. There is no charge.
Appointments are arranged
individually with families in keeping
with the student nurses' class

schedule.

Health information, instruction and
counseling are provided based on a
family's interest, concerns and actual
or potential needs.

Parents wishing to participate must
apply before Aug. 8 by calling the
Department of Nursing at 863-2225
between 9 a.m. and 3 p.m.

Danger for joggers

Joggers are urged to avoid running on
Fox Hollow Road and Big Hollow Road
during the summer months.

University Police Services says
construction taking place on Fox
Hollow Road has resulted in heavier
than usual traffic on Big Hollow Road.
The construction project is expected
to be completed by early September.

Study team members sought

The State College Rotary Club is
seeking members for a Rotary
International District 735 Group Study
Exchange Team to visit Japan for about
four weeks in March and April, 1984.

According to Dr. Howard Thoele,
associate dean of the College of
Agriculture, the team will consist of
five outstanding men between 25 and
35, non-Rotarians, and will be a cross-

section of the businesses and
professions of District 735, of which the
State College Rotary Club is a member.

Interested young men should contact
Dr. Thoele at 201 Ag. Admin. Bldg.,
telephone 865-2541.

Subjects sought for study on divorce
Persons between the ages of 18 and 23
whose parents have been divorced
during the last three years are being
sought for a Penn State study of the
children of divorce.

The researchers say they hope to
identify common elements in young
people's experience of their parents'
divorce, both positive and negative. In
addition, they hope to uncover factors
that help people cope with a parental
divorce.

Dr. Michael A. Smyer, associate
professor of human development, and
Dr. Gunhild O. Hagestad, assistant
professor of human development, will
be conducting the study.

Persons having questions or wishing
to be interviewed may contact the
Department of Individual and Family
Studies, 5110 Human Development,
University Park, PA 16802, phone (814)
865-1447.

Staff Vacancies

The following vacancies for positions classified
as staff exempt or staff nonexempt have been
listed with the University Employment Division
for filling. This announcement is made so that
all University employees who are interested in
promotion may apply by calling the
Employment Division, 865-1387 (network line
475-1387). Applications for these staff vacancies
will be accepted until 5 p.m., Aug. 4, 1983. DO
NOT CONTACT THE AREA THAT HAS THE
VACANCY.

Applications for staff vacancies are considered
in accordance with Fair Employment practices
(FEPS) and in compliance with the University's
Affirmative Action Compliance Program,
without regard to race, color, religion, national
origin, handicap or age (as provided by law), sex,
or status as a disabled or Vietnam era
veteran.

• **Telefund Project Coordinator**, Office of Gifts
and Endowments, University Park —
Responsible to the director, Annual Giving, for
management of a capital phone/mail program.
Oversee calling stations, supervise assigned
staff and maintain ongoing recruitment program
contacting Agriculture Alumni for support to
Agriculture Arena. Position requires day and
evening hours. Bachelor's degree (or equivalent)
and one to two years of effective experience.
Background in public relations or promotional
activities preferred; strong oral and written
communication skills important. THIS IS A
FIXED TERM POSITION RUNNING FROM
AUG. 15, 1983, TO JAN. 30, 1984.

• **Admissions Counselor I**, Office of
Undergraduate Admissions, University Park —
Responsible to the associate or assistant director
of Admissions for general assistance in handling
of the more routine admissions matters in an
assigned regional area. Participate in and
administer admissions activities for freshman,
advanced standing, transfer, provisional and
nongraduate students who are baccalaureate or

associate degree candidates for University Park
Campus and for assigned Commonwealth
Campuses and Behrend College. Bachelor's
degree (or equivalent) plus six to nine months
of effective experience in educational
administration. A record of participation in and
contribution to extra-curricular and avocational
or civic activity desirable. THIS IS A FIXED
TERM POSITION ENDING JUNE 30, 1984.

• **Nutritional Care Technician**, College of
Medicine, Hershey — Responsible to senior
nutritional care technician for the operation of
the diet office and to a clinical dietitian when
providing nutritional care for patients. Associate
degree (or equivalent) in foods and nutrition
and six to 12 months of effective experience.

• **Assistant Health Physicist**, College of
Medicine, Hershey — Responsible to the health
physicist for the daily operation of the Health
Physics laboratory and supervision of a varying
number of technicians as well as carrying out
an effective Medical Center monitoring program. A
master's degree (or equivalent) in Health
Physics plus one to two years of effective
experience.

• **Financial Officer**, Controller's Office,
Hazleton Campus — Responsible to the
director, financial officers and the campus
executive officer for maintenance and control of
current general fund and restricted fund
budgets and the interpretation and enforcement
of budget policies and procedures. Coordinate
professional and clerical financial and
accounting staff in assigned area on all
accounting matters. Bachelor's degree or
equivalent in accounting with over two and up
to and including four years of effective
experience in accounting operations.

• **Admissions Counselor I**, Office of
Undergraduate Admissions, University Park —
Responsible to the Associate or Assistant
Director of Admissions for general assistance in
handling of the more routine admissions
matters in an assigned regional area. Participate
in and administer admissions activities for
freshman, advanced standing, transfer,

provisional, and nongraduate students who are
baccalaureate or associate degree candidates for
University Park Campus and for assigned
Commonwealth Campuses and Behrend
College. Bachelor's degree (or equivalent) plus
six to nine months of effective experience in
educational administration. A record of
participation in and contribution to extra-
curricular or avocational or civic activity
desirable.

• **Program Assistant**, Continuing Education,
York Campus — Responsible to the director of
Continuing Education or other appropriate
department head for assistance in planning,
organizing and administering Continuing
Education services for the York area. Assist
supervisor in administering the Continuing
Education program; assist in the selection of
courses, acquisition of support personnel, and
in coordination of course scheduling. Supervise
ordering of textbooks, scheduling of classrooms,
ordering of supplies, etc., in support of
programs offered. Bachelor's degree (or
equivalent) plus one to two years of effective

experience in performing administrative and
supervisory tasks.

• **Student Services Specialist**, Commonwealth
Educational System, University Park —
Responsible to the coordinator, Student and
Instructional Services, Department of
Independent Learning, for assisting in planning
and developing student service programs.
Provide information, counseling, and academic
advising to students; assist in developing and
maintaining supplies of student services
materials and provide administrative support
for evening instructor phone-in teleconference
activities and independent learning programs.
Collect data and research related to the
program, as necessary. Bachelor's degree (or
equivalent) plus one to two years of effective
experience in academic student services
required; master's degree preferred. Ability to
communicate well in writing is important and
should be willing to work regular evening hours
and some weekends. THIS IS FIXED TERM
POSITION FUNDED THROUGH JUNE 30,
1984, WITH POSSIBILITY OF REFUNDING.

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University Park, PA 16802
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Executive officer named at Altoona

Dr. James A. Duplass, associate provost at Wayne State University in Detroit, has been named campus executive officer of the Altoona Campus.

"Dr. Duplass brings an extensive background in academic administration and scholarship to his new position," says President Jordan. "He's been active in planning, budget policy and community relations among other professional experiences."

Dr. Duplass received his bachelor's degree in 1970 and master of education degree in 1972 from Loyola University of New Orleans. His doctorate, in higher education, is from St. Louis University.

He taught in public and private high schools in New Orleans before joining St. Louis University as assistant to the dean of the College of Arts and Sciences in 1972. At St. Louis, he became assistant dean for Community College Relations and assistant professor of education.

In 1976, he became director of academic services and registrar at Loyola of New Orleans where he also held the rank of assistant professor of education. Since going to Wayne State in 1980, Dr. Duplass has served as dean of enrollment services and associate provost responsible for budget and planning.

Dr. Duplass was awarded a certificate of

merit by the City of New Orleans in 1980 for outstanding community service. He also received Loyola University's Guy Limeaux Man of the Year Award in 1970. He is the author of numerous professional papers and is a member of the American Association for Higher Education, the Council for the Advancement and Support of Education, and the American Association of College Registrars and Admissions Officers.

He and his wife, Anne, are the parents of two children, Chris, 11, and Ellie, three-years old.



Dr. James A. Duplass

Summer commencement exercises set

More than 2,000 graduates, including seven American Indians in traditional tribal dress, are scheduled to receive degrees at summer commencement exercises at 10:30 a.m. Saturday, Aug. 20, in Recreation Bldg. on the University Park Campus.

President Jordan will award degrees assisted by Walter J. Conti, president of the Board of Trustees.

James B. Bartoo, acting executive vice president, will deliver the commencement address and preside at the exercises.

Cynthia Baldwin, Pittsburgh attorney and an executive board member of the Penn State Alumni Association, will induct the

new graduates into the Alumni Association.

The group of American Indians receiving doctoral degrees is believed to be the largest American Indian contingency ever to receive Ph.D.s from a single institution at the same time, Dr. Henry J. Hermanowicz, dean of the College of Education, says.

The degrees — five in educational administration, two in education theory and policy and one in curriculum and instruction — were earned through Penn State's 13-year-old Native American Program.

Grayson Noley, NAP director and a

Choctaw Indian, said U.S. Education Secretary Terrell N. Bell has been invited to attend the ceremonies. The Education Department, through its Indian Education Programs unit, has provided nearly all the funding for the Penn State training.

These seven graduates bring the number of doctorates from Penn State's program to 21, Dr. Noley says. Nearly 130 individuals representing more than 50 Indian tribes have completed doctoral or master's degrees.

He noted that 95 percent of the Penn State graduates return to Indian communities or reservations. More than half work in public or federal schools.

About 34 percent go into government service, including key posts in the U.S. Bureau of Indian Affairs.

"One aim of the program is to provide role models for American Indian children, since many of the teachers and administrators in their schools are not Indians," Dr. Noley said. "One of the requirements for admission is a commitment to working in the field of Indian education."

Separate commencement exercises at Behrend College and Capital Campus will bring the University-wide total of graduates to more than 2,200.

Plan approved for statewide desegregation

The Office of Civil Rights of the U.S. Department of Education has approved Pennsylvania's plan for desegregating higher education.

In a letter to Gov. Dick Thornburgh on Friday, Aug. 5, Harry M. Singleton, assistant secretary for civil rights, said that, "with continued leadership and diligence, I believe that Pennsylvania's plan will result in the elimination of remaining vestiges of the Commonwealth's formerly segregated higher education system."

"I'm pleased that it's been approved," said James B. Bartoo, acting executive vice president who directed formulation of the University's portion of the plan.

"We're already moving toward implementation of the plan for Penn State," Dr. Bartoo said. He said committees are being formed to handle links with Cheyney and Lincoln universities, determine how to recruit blacks and how to keep them at the institutions.

The court-ordered desegregation plan, prompted by a suit by the NAACP Legal Defense Fund, focuses mainly on cooperative efforts in academic programming and increased financial aid to black students and to Cheyney and Lincoln.

Penn State's portion of the plan pledges to undertake increased cooperative efforts with the two institutions, in addition to increasing the University's black enrollment to five percent.

Ag Progress Days 'not just for farmers'

President Jordan will be among the expected 80,000 visitors to this year's Ag Progress Days Aug. 23, 24, and 25. He'll get an inside look at research in the College of Agriculture during the annual event which draws more visitors and exhibitors every year.

"Ag Progress Days is recognized as the largest outdoor educational event for agriculture in the east," says Dr. Samuel H. Smith, dean of the College of Agriculture. The three-day event, which attracted more than 75,000 people last year, is held at the College's Rock Springs Agricultural Research Center, nine miles southwest of State College on Route 45.

"The theme for this year's show is Agriculture: Growing for You," Dr. Smith adds. "Those of us closely associated with agriculture know how farming and ag-related business are merging into the state's number one industry." He points out that agriculture is a \$3 billion industry in the state.

Ag Progress Days is best known as a place to see and learn about the latest agricultural techniques, but there's more to the event than big farm machinery and tours of research plots.

Technology, equipment and research developments needed by American farmers now and in the future are at Ag Progress Days. Researchers and specialists will be on hand to answer questions ranging from home computer

'Ag Progress Days is recognized as the largest outdoor educational event for agriculture in the east.'

— Dr. Samuel H. Smith
Dean, College of Agriculture

use to garden care. Faculty will be available to discuss disease control, human nutrition and health care, financial management, and food preservation techniques.

"Ag Progress Days is not just for farmers," says Dr. Joseph D. Harrington, "professor of agronomy and general manager of the event. So, in addition to the more than \$20 million in agricultural machinery on display, there will be demonstrations and programs on gardening, safety, nutrition, and family relationships.

Last year, there were 266 commercial exhibitors. This year, the number will be close to 300. That's in addition to more than 30 non-commercial displays.

Throughout the event, Penn State research will be

evident. Bus tours of the college's cooperative field research in agronomy, entomology, horticulture, and plant pathology are offered.

Anyone with a question about animals, crops, plants, flowers, lawn care, or insect and disease control can find answers at the College of Agriculture tent. The popular "Ask the Specialist" booth will be expanded this year, with more University faculty on hand to help you.

Another Penn State feature will be more evident this year than in the past — students. With the University's conversion to a semester calendar, students will be on campus during Ag Progress Days for the first time since the show adopted Rock Springs as its permanent home in 1976. And visitors, who come from all over Pennsylvania and surrounding states, are encouraged to tour the campus.

Additional highlights will include the machinery demonstrations, 4-H youth presentations, bluegrass music, and theatre programs.

Activities on Tuesday, Aug. 23, and Thursday, Aug. 25, will begin at 9:00 a.m. and end at 5:00 p.m. Hours on Wednesday, Aug. 24, will be 9:00 a.m. to 7:00 p.m. Parking and admission are free. This year, for the first time, shuttle bus service from downtown State College will be available on an hourly basis beginning at 8:45 a.m.



Penn State Day in San Francisco

Mayor Dianne Feinstein declared July 16 Penn State Day in San Francisco and presented a key to the city to Coach Joe Paterno in recognition of Penn State's status as the nation's No. 1 football team. Observing the ceremonies were, from left, President Jordan and H. Jesse Annette, an alumnus and member of the Board of Trustees. Mr. Annette helped to arrange three days of special events in San Francisco at which Dr. Jordan, Mr. Paterno and Board of Trustees President Walter J. Coni were honored.

Faculty/Staff Alerts

IRS assistance discontinued

The District Director's office recently conducted a study of their State College field office and, based on their analysis, it was determined to be in the best interest of the Internal Revenue Service and the public not to schedule taxpayer assistance for departing aliens at that office for the 1983 nonfiling period.

In the past, departing aliens could receive assistance from the local office by filing Form 1040C, U.S. Departing Alien Income Tax Return, or completing Form 2063, U.S. Departing Alien Income Tax Statement. Upon completion of the appropriate form and verification that all federal income taxes had been paid, the local office would then sign a Certificate of Compliance (commonly called a "Sailing Permit").

Since the local office will not render taxpayer assistance for the remainder of 1983, the District Director has suggested the following alternatives that are available to departing aliens:

1. Internal Revenue Service 1601 11th Avenue

Altoona, PA 16603

2. Internal Revenue Service Wm. S. Moorhead Federal Building 1000 Liberty Avenue Pittsburgh, PA 15222

3. The Internal Revenue Service office in the city of their departure.

4. Or by forwarding the appropriate forms and required information to:

Chief, Taxpayer Service Division
Internal Revenue Service
P.O. Box 2488
Pittsburgh, PA 15230

Whether applying for a Certificate of Compliance in person or by mail, the departing alien must submit the following records:

1. Form 1040C or Form 2063. These forms are available at the State College office or by contacting the I.R.S. telephone assistance at 1-800-424-1040 (toll-free) to have the forms mailed.
2. Form W-2, Wage and Tax Statement. The departing alien should fill out a Request for W-2 Form (PSU Form G1.54) approximately one month before terminating.

3. Copies of U.S. income tax returns filed for the past two years.

4. Receipts for income taxes paid on these returns.

5. Any other relevant information as identified in the Internal Revenue Service Publication 519, U.S. Tax Guide for Aliens.

The Certificate of Compliance should be secured at least two weeks before leaving the country but application may not be made earlier than 30 days before the planned departure date. A departing alien should not wait until the last minute as there may be some unexpected problems to settle.

SERS annual report

A copy of the 1982 State Employees' Retirement System annual report has been mailed to all faculty and staff members who are members of that retirement system. Any employee on leave of absence or layoff should contact his or her supervisor upon return to employment to secure a copy. Other faculty and staff members who did not receive a copy of the annual report may obtain one by contacting the Employee Benefits Division, Room 133 Willard Bldg., phone 865-1473.

Staff Development

Clerical Enrichment

Fifteen clerical employees have completed the Clerical Enrichment Program. The course is designed to familiarize employees with University policy and organization, to identify work situation problem areas in the office, and to begin the initial stages of professional office training and preparation for career development. Participating were:

Susan Alterio, clerk, file B, Business Services; Connie Bair, clerk recorder, Continuing Education; Blanche Barr, clerk A, Admissions; Karen E. Butler, clerk, accounting A, Controller's Office; Patricia Corbett, clerk, typist B, Intercollegiate Research Programs; Cindy Galbraith, technical secretary C, Continuing Education.

Cheryl Good, clerk, typist B, Human Development; Carolyn Kresen, secretary B, Intercollegiate Research Programs; Barbara Labinsky, clerk, information processing A, University Libraries; Trish Neidigh, clerk, typist B, Personnel Administration; Diana Piper, clerk, typist B, Personnel Administration.

Stephanie Spigelmeyer, clerk, typist B, Science; Mindy Stiver, clerk, typist B, Continuing Education; Mary Ellen Whalen, clerk, typist B, Agriculture.

Amplification

Intercom regrets any implication of condoning sex discrimination through publication of a notice concerning a Rotary International Group Study Exchange Team in the July 28 issue.

The notice was published in good faith — by request — as a service to the University community.

Response to it obviously has raised our consciousness. Intercom will intensify its efforts to guard against publication of any item suggesting discrimination on any basis.

News in Brief

Expect traffic congestion

Traffic congestion and parking difficulties will increase dramatically with student arrival, orientation and registration, Aug. 22 through 25. During this week, faculty and staff are encouraged to walk, car pool or use public transportation whenever possible in traveling to and from campus. Faculty and staff who usually drive home or to a local restaurant for lunch should plan to walk or use public transportation. Both the Campus Loop and CATA will resume full schedules on Aug. 21.

Part-time employment

Part-time employment at the Penn State Bookstore on the University Park Campus is available for approximately the first two weeks of Fall Semester 1983 starting Aug. 19 and continuing through Sept. 2 for cashiers/baggers. Interested persons should contact William A. McVicker at 863-3250.

M.E. John Memorial Lecture

Dr. Michael F. Nolan, director of international agricultural programs and assistant dean of agriculture at the University of Missouri-Columbia, will deliver the third Annual M.E. John Memorial Lecture at 10 a.m. Monday, Aug. 15, in Room 215 Armsby Bldg. His address is entitled "Lambs to the Slaughter or Wolves in Sheep's Clothing? Comments on the Role of Sociology in International Agricultural Programs."

Dr. Nolan, who received his Ph.D. in

rural sociology from Penn State in 1970, previously served as chairman of the Department of Rural Sociology at the University of Missouri. His address will kick off a set of papers on various facets of the theme, "Rural Sociology in Use," to be delivered throughout the afternoon.

All the authors in the set are Penn State alumni who took advanced degrees in rural sociology while Dr. John served as head of the Department of Agricultural Economics and Rural Sociology.

Computation task force

A 12-member task force has been formed to assess University research and instructional needs in the area of very high-speed computations.

The group is in the process of evaluating specific areas of related technology that could be significantly strengthened by state-of-the-art very high-speed computing tools.

The task force is exploring the various alternatives that are available and could complement the University's existing computing facilities in this respect. Members also are examining joint funding possibilities relative to network access of both high-speed array processors and supercomputers such as the Cray 1 or Cyber 205.

Information on the task force may be obtained by contacting H.D. Knobbe, 214G Computer Bldg.

Cancer research grant

The American Cancer Society has awarded a special \$880,000 grant for

cancer research to the Hershey Medical Center.

Chief researcher for the project, Dr. Fred Rapp, said he and his co-researchers, Dr. Mary K. Howett and Dr. Harriet Iso, will investigate the reasons cancer spreads so rapidly by transplanting cells transformed by human herpesviruses into hamsters and observing how the animals react to treatment with various drugs.

The grant is effective for five years and is the largest amount ever awarded to a central Pennsylvania institution, according to Cancer Society officials.

Departments receive grant

Three language departments at the University have received a grant of nearly a quarter of a million dollars from the National Endowment for the Humanities.

The departments of French, German and Spanish will use the three-year grant to provide summer institutes for 135 Pennsylvania high school foreign language teachers. The five-week sessions will run from late June through early August in 1984, '85 and '86.

"The purpose of the institutes will be to help high school language teachers refresh their language skills and to encourage them to introduce literature and cultural materials in their high school programs," says Richard L. Freutschi, head of the Department of French and director of the 1984 institute.

The three departments made the joint proposal to the National Endowment for the Humanities and will jointly administer the project. Martin S. Stabb, head of the Department of Italian, Spanish and

Portuguese, will direct the summer institute in 1985. Ernst Schurer, head of the Department of German, will direct the summer institute in 1986.

Heinz Endowment grant

The Howard Heinz Endowment has approved a three-year grant to the University for \$276,943 to fund the Nutrition Education Program of the University's College of Human Development.

The Endowment makes grants in the fields of health, education, welfare, and the performing and visual arts to non-profit organizations located in the Commonwealth of Pennsylvania with a primary emphasis given to Pittsburgh-based organizations.

"We are grateful for the support of the Howard Heinz Endowment," says Dr. Helen Guthrie, professor and head of the academic program in nutrition at Penn State. "Since 1974, Penn State's Nutrition Education Program has been recognized as a leader in the state — and nation — in nutrition education. A great deal of the credit for that is due to the continuing support of the Heinz Endowment."

The Nutrition Education Program began nine years ago with support from the Heinz Endowment and the Nutrition Foundation.

Review of Electronic Services

The Office of Physical Plant offers a number of services in electronics repair and maintenance.

If you have any questions regarding any of these services, please contact Carroll Dean at 863-0538. All repair requests should be submitted to the Service Desk at 865-4731.

3,000 will participate in Keystone State Games

Approximately 3,000 amateur athletes and coaches will assemble at the University Park Campus Aug. 12-14 for the finals of the second annual Keystone State Games.

Twenty-four sports are represented in this year's games and most feature competition in men's and women's divisions. The sports include archery, athletics (track and field), baseball, basketball, boxing, canoe and kayak, cycling, diving, fencing, field hockey, gymnastics, ice hockey, judo, rowing, rugby, shooting sports, soccer, softball, swimming, synchronized swimming, volleyball, water polo, weightlifting and wrestling. Wheelchair events will be held in several sports, also.

Athletes participating in the finals were chosen through a summer-long qualifying process that took place at locations all over the state. Competition is slated in open and age group divisions for most sports. Athletes must be amateurs and be Pennsylvania residents for at least 30 days prior to the regional qualifying date for

their sport.

Opening ceremonies for the games will be held at 7 p.m. Friday, Aug. 12, at Jeffrey Field. The finalists representing the different areas of sport competition will march onto the field. Governor Dick Thornburgh and President Jordan are scheduled to be among those welcoming the athletes from the reviewing stand. In the event of rain, the opening ceremonies will be held at Recreation Hall.

Keystone State Games, Inc., (KSG), a non-profit corporation, administers and finances the games. The College of Health, Physical Education and Recreation is involved through an agreement with KSG to provide services during the finals. Davis Bahr, instructor in physical education, is chairing the Local Organizing Committee responsible for areas such as on-site housing for competitors and coaches, medical services, local communications, sports site preparation and on-site sports information

services to the media.

The competition schedules and sites: Archery, Aug. 13-14, Pollock Fields; Athletics (track and field), Aug. 13-14, Nittany Lion Track; Baseball, Aug. 12-14, Beaver Field; Basketball (men), Aug. 12-13, South Gym, Recreation Hall, and Aug. 14, championship game, 4 p.m., White Bldg.; Basketball (women), Aug. 12-13, South Gym, Recreation Hall, and Aug. 14, championship game, scholastic division, noon, White Bldg., and championship game, open division, 2 p.m., White Bldg.; Boxing, Aug. 13, 7:30 p.m., 126 White Bldg.

Canoe/Kayak/Rowing, Aug. 13-14, Stone Valley Recreation area; Cycling, Aug. 14, 11 a.m., 75-mile road race; Diving, Aug. 12-13, Natorium indoor diving pool; Fencing, Aug. 13-14, 133 White Bldg.; Field Hockey (men), Aug. 13-14, Varsity Fields; Gymnastics (men), Aug. 14, 2 p.m., Rec Hall, main gym; Gymnastics (women), Aug. 14, 8 p.m., Rec Hall, main

gym; Ice Hockey, Aug. 12-14, Indoor Sports Complex.

Judo, Aug. 14, Intramural Bldg.; Rugby, Aug. 13-14, East Rugby Field; Soccer, Aug. 12-14, Jeffrey Field and Intramural Fields; Softball (slow and fast pitch), Aug. 12-13 and Aug. 14 if playoffs are necessary. Lady Lion Field; Shooting Sports, Aug. 13-14, Scotia Range; Swimming, Aug. 12-14, Natorium Outdoor Pool.

Synchronized Swimming, Aug. 13-14, Natorium Racing Pool; Volleyball, Aug. 12-14, Intramural Bldg.; Water Polo, Aug. 13-14, Natorium Racing Pool; Weightlifting, Aug. 13, Room 10, Intramural Bldg.; Wrestling, Aug. 12-13, Rec Hall, main gym; Wheelchair events, basketball — Aug. 14, 10 a.m., White Bldg., track — Aug. 13, 10:45 a.m., Nittany Lion Track, soccer — Aug. 13, 7 p.m., Intramural Bldg. gym number one. There is no charge for attending any Keystone State Games event.

Penn State donates books to Ngouabi University

The University extended its relationships with African universities recently with the donation of more than 700 books to the library at Marien Ngouabi University in the Republic of the Congo.

On May 30, the first shipment of books arrived in the Congo after a six-month trip from the University through the U.S. Department of State in Washington, D.C.

Penn State currently has formal linkage agreements with four African universities: University of Nairobi, Kenya; University of Yaounde, Cameroon; University of Zimbabwe; and University of Swaziland.

The books were formally accepted at a special ceremony attended by the U.S. Ambassador to the Republic of the Congo, Kenneth Brown; the U.S. Information Agency country affairs officer for the Central Africa region, Mary Ellen Connell; the rector of Marien Ngouabi University, Sylvain Makosso-Makosso; and other officials of the University in the Congo. Penn State was unable to send a representative.

"We believe a linkage with a developing country will benefit both Marien Ngouabi and Penn State," says W. LaMarr Kopp, associate provost for international programs and director of the Office of Foreign Studies. He helped coordinate the book project.

"We will get to know about the people of Congo-Brazzaville — their culture and aspirations — and they will learn about us — an older University," Dr. Kopp says. "In addition, we will help them see what our country has been able to do educationally."

Ambassador Brown called the donation of books an expression of friendship from Penn State, and said he hoped it would be the first step toward more open and productive cooperation between the two universities.

Penn State is interested in a formal linkage with Marien Ngouabi and has applied for a grant from the U.S. Information Agency to extend its relationship with the Congo university during the next three years, Dr. Kopp says. The USIA recently announced a program to support such linkages between U.S. and African universities. Penn State's grant application is pending.

Marien Ngouabi is located in Brazzaville, the capital of the Republic of the Congo. The country is on the western coast of Africa, and its inhabitants speak French.

"We became interested in Marien Ngouabi after a visit with State Department officials in Washington last year," Dr. Kopp explained. Ambassador Brown encouraged Penn State to help the university. He worked with Dr. Kopp and Marien Ngouabi officials to identify needs and find out what Penn State could do to help.

Dr. Kopp says they discovered that Marien Ngouabi is interested in business and American studies and the training of public administration officials. "We tried to select books from these areas for their library."

Stuart Forth, dean of the University Libraries, and Carol E. Chamberlain, senior assistant librarian at Pattee Library, selected the more than 700 volumes from surplus, duplicate books from the University's collection and from its gifts and exchange division.

"We tried to respond to the specific needs and interests of Marien Ngouabi University," Dean Forth says. "We're trying to build bridges between the Republic of the Congo and Penn State to extend our international mission in Africa," he says.

He and Ms. Chamberlain, who

coordinated the project with the Office of Foreign Studies, selected general reference materials and books on the social sciences, history, literature, philosophy, political science, government, business administration and life sciences.

The State College chapter of the American Association of University

Ben Franklin grant program

Corporation formed

Minitab, a computer software package that started as a project for a statistics course at the University, has become a private corporation.

Minitab, Inc., is one of the first start-up companies to result from the Ben Franklin Challenge Grant Program, an effort by the Commonwealth to expand technology through university-industry cooperation.

Designed in 1972 as a software program to instruct Penn State statistics students, Minitab has expanded into a computer analysis system utilized by approximately 1,000 industries, scientists and researchers in 42 countries, says co-founder Thomas Ryan, associate professor of statistics and president of Minitab, Inc.

Other founders of the new corporation are Barbara Ryan, senior research associate in the Department of Statistics and vice president of Minitab, and Brian Joiner, professor of statistics at the University of Wisconsin.

Minitab, Inc. will continue to use office space and computer facilities at the University Park Campus. Dr. Ryan says, in line with the Ben Franklin program's ideal of university-industry cooperation. The company has 11 fulltime employees.

The Minitab project has been "nurtured

Women was generous in selecting from its stock recent college-level science textbooks to be included in the shipment, Dean Forth noted.

Penn State tentatively plans a second shipment of books during the 1983-84 academic year, he says.

— Deborah A. Benedetti

by the University" since its creation 10 years ago, says James W. Lundy, director of the Office of Industrial Research and Innovation.

The Ben Franklin Partnership Challenge Grant Board has pledged funding for a statistics consulting service at Penn State's Department of Statistics to work in conjunction with Minitab, Inc., Mr. Lundy explains.

Dr. Ryan says the Minitab officers considered relocating the business at other areas in the United States, "but wound up staying here because of the cooperation with the University."

"The creation of Minitab, Inc., illustrates that university-industry interactions can lead to the commercial utilization." According to Dr. Ryan, the company realized a 48 percent increase in income for 1982 over 1981.

Industries which lease Minitab programs include 3M Co., Dupont, Kodak and Corning Glass Works. Universities utilizing the system include Harvard, Cornell, Stanford, the Massachusetts Institute for Technology, the University of Wisconsin, the University of Iowa and Iowa State.

industry officials aided the Penn State researchers. PACU representatives handled liaison work.

Dr. Toombs said his team scanned all prior research inventories available in public records from March to September of last year to make sure they would not be duplicating information. What they found was that most listed names of sponsored research projects, instead of the units doing the research.

The short-lived nature of such projects made the lists quite "perishable," Dr. Toombs said. In addition, no lists were grouped by state, and "the state needs to start building its own research base."

Three-way research project aids state's recovery

Results of a three-way cooperative research project to aid Pennsylvania's economic recovery were announced July 20 by Gov. Dick Thornburgh at a news conference at the Capitol Building.

The University Center for the Study of Higher Education, the Pennsylvania Association of Colleges and Universities and the state Department of Commerce are partners in completing an inventory of public and private research sites in Pennsylvania.

Starting last August, about 8,500 companies and corporations and 140 colleges and universities were asked to complete a 12-point survey describing their organizations' research unit or units. The answers have been recorded on

computer.

"New businesses or industries that want to relocate in Pennsylvania will be able to determine, from the information, which region in the state would provide sufficient research backing for their particular products," said William Toombs, CSHE director and professor of higher education.

Another project use is sharing research information, he added. By calling up a key word in the project computer file, such as "glass," researchers can discover what others in the state are doing in that field.

Most businesses and all the colleges and universities in the study agreed to allow their information to be shared.

State officials also see the project aiding planning efforts in customized training programs, identifying research units that might be used in the state Ben Franklin Partnership program and matching state suppliers with potential markets.

Dr. Toombs, who worked closely on the project with Kenneth Mortimer, a research associate at CSHE and a professor of higher education, said the project is part of a comprehensive economic growth effort for the state. The effort includes such other items as the Ben Franklin Partnership program and the "Choices for Pennsylvanians" economic plan published by the Pennsylvania State Planning Board.

A seven-member advisory committee composed of key government and

Appointments

Dr. J.L. Duda, professor of chemical engineering, has been named head of the department.

Dr. Duda succeeds Dr. Lee Eagleton, who headed the department for 13 years and is returning to full time teaching and research.

A native of Donora, Dr. Duda earned his bachelor's degree from Case Institute of Technology and his master's and doctoral degrees at the University of Delaware.

For eight years, he served as a research engineer for the Dow Chemical Company. While he was at Dow, he conducted research in a wide range of areas from polymer processing to the insulation of the Trans-Alaskan pipeline. He joined the faculty as an associate professor in 1971 and was promoted to professor in 1975.

A specialist in the field of polymer science and engineering, Dr. Duda was the co-recipient, with Dr. James S. Vrentas, of the William H. Walker award in 1981. The Walker award is presented by the American Institute of Chemical Engineers for outstanding contributions to chemical engineering literature.

In 1980, Dr. Duda received the College of Engineering award for outstanding research. In 1983, he received the outstanding professor award presented by the senior class in the Department of Chemical Engineering.

In 1978, Dr. Duda received a National Science Foundation visiting scholar fellowship to conduct research at the National Taiwan University in Taipei, Taiwan. He also has presented more than 100 technical papers and invited seminars in the United States and abroad and serves as a consultant to several industrial and federal agencies.

Dr. Hays B. Gamble, professor of agricultural economics, has been named acting associate dean of the Graduate School.

Dr. Gamble also serves as associate director of the Institute for Land and Water Resources and chairman of the Intercollege Graduate Program in Regional Planning.

A New York City native, he received his bachelor's and master's degrees in forestry from Penn State and earned a Ph.D. in agricultural economics from Penn State in 1965.

Dr. Gamble is a member of the Society of American Foresters, the American Economics Association, the American Agricultural Economics Association and the Regional Science Association.

He served as president of the Northeastern Agricultural Economics Council from 1972 through 1973 and also is a member of the National Academy of Sciences.

John E. May III has been appointed acting director of the 362-bed hospital of the Hershey Medical Center. He replaces J. Knox Singleton.

Mr. May has served as associate hospital director since 1981. Prior to that appointment, he was assistant director



Dr. J.L. Duda

from August 1979 through September 1981. His first appointment with the Medical Center was director of medical records in 1976.

Since joining the Medical Center administrative staff, he has been active in the development, coordination and implementation of programs such as quality assurance plans, ancillary service reviews and major efforts to control cost in major service departments. In addition, he has initiated a management development program as well as an employee assistance program.

Active in many professional associations, he has served on the Hospital Administrators' Advisory Committee in the Emergency Health Services Federation of Southcentral Pennsylvania, the Health Data Services Advisory Committee for a Hospital Utilization Project and several state and national medical record association memberships.

He came from Harton Memorial Hospital in Tullahoma, Tenn., in 1976. A native of Biloxi, Miss., he holds a B.S. degree in medical record administration from Florida Technological University. He also taught at Oviedo Senior High School in Seminole County, Fla., for four years, before assuming his post at Harton Hospital.

Dr. David G. Rice, formerly dean of academic affairs and associate professor of history at D'Youville College, Buffalo, N.Y., has been appointed director of academic affairs at the Wilkes-Barre Campus.

Dr. Rice previously served as faculty development officer and assistant professor of humanities at the College of St. Scholastica in Duluth, Minn., and taught classics and history at Williams College, Williamstown, Mass., and Davidson College, Davidson, N.C.

He received his undergraduate education at Boston College and his master's and doctoral degrees in classics from Yale University. He has authored and co-edited a number of articles on classical studies and edited and translated the book, *Sources for Greek Religion*, which was published by Scholars Press in 1980.

He was named an Outstanding Young



Dr. Hays B. Gamble

Man of America in 1981, and received the Administrator of the Year Award at D'Youville College in 1982.

He is a member of the American Philological Association, American Historical Association, Society of Ancient Historians, American Society of Papyrologists, Societe Internationale Des Papyrologues and the Classical Association of the Middle Atlantic States.

Dr. Donald W. Turner has been named assistant head of Management Development Services at the University. He has been serving as acting assistant head of the unit since November, 1982.

The department, a Continuing Education service of the Colleges of Business Administration, Liberal Arts and Engineering, provides professional assistance to business, industry, hospitals, government agencies and other profit and nonprofit organizations.

Dr. Turner will be responsible for directing the various services offered by the Management Development faculty, including needs-assessment surveys, program design and development, scheduling, marketing, professional development and assisting organizations in developing the management potential of employees.

He received his bachelor's degree in psychology and his master's and doctor of philosophy degrees in speech communication, all from Penn State.

Prior to joining the Management Development faculty in 1980, he served on the faculty of the Department of Speech Communication, and earlier worked with the Veterans Affairs office and the Student Assistance Center in developing and providing counseling services. Before coming to Penn State, he worked with Avco Management Systems in San Diego, Calif.

He is a member of the Speech Communications Association of America, the International Communication Association, the Eastern Communication Association and the American Society for Training and Development.

Lisa A. Arcus has been named financial officer at the McKeesport Campus.

Miss Arcus served four years as a staff accountant with Portec, Inc., R.M.C. Division, and one year on the audit staff of Touche Ross & Co.

A magna cum laude graduate of Penn State in accounting, she earned a master's degree in business administration from the University of Pittsburgh.

She is a member of Beta Alpha Psi, national accounting honorary, and Beta Gamma Sigma, national business honorary. In her new position, she will supervise all financial transactions of the McKeesport Campus.

Dr. James R. Hudson has been named acting head of the Division of Behavioral Science and Education at the Capitol Campus.

Dr. Hudson has served as associate professor of social science and sociology at Capitol Campus since 1972. His current research is on neighborhood revitalization in older cities.



John E. May III

In his new position, he will be responsible for all administrative matters of the division, which has 22 faculty members and offers both undergraduate and graduate degrees in education and behavioral science.

Dr. Hudson came to Capitol Campus in 1972 after having taught for six years as an assistant professor at the State University of New York at Stony Brook. He holds a Ph.D. degree in sociology and an M.A. degree, both from the University of Michigan at Ann Arbor, and a bachelor's degree from Columbia College.

Dr. James D. South II has been named acting assistant to the acting provost and dean at the Capitol Campus.

Dr. South, who has served as director of student affairs at the campus since 1973, will continue in his role as head of that office but will take on staff responsibilities for the campus records office and computer center, in addition to other special assignments.

Dr. South came to Capitol Campus in 1969 as assistant dean of student affairs and was named director of student affairs in 1973. He received his D.Ed. degree from Penn State, his M.A. degree from New York University, and his B.A. degree from Dickinson College.

Dr. Joseph J. Trautlein, associate professor of medicine at the Hershey Medical Center, has been appointed director of the quality assurance program.

Dr. Trautlein will work with the clinical department staff, faculty leadership, individual faculty, house staff (resident physicians) and other hospital medical staff committees to promote the effective and efficient use of institutional resources consistent with high quality patient care. He will coordinate the dissemination and use of information necessary to evaluate the utilization of hospital services and implement educational and other efforts to accomplish improved patient care patterns in the Hospital.

"In addition to providing assistance for the assurance of quality care, Dr. Trautlein also will be involved in the planning for the upcoming extensive changes in the current Medicare/Medicaid reimbursement systems, many of which will begin transitions in July of 1984," said Dr. G. Victor Rohrer, associate dean for patient care.

Dr. Trautlein said that the inflation rate in medical care delivery was 12½ percent during 1982. "It is clear that hospitals, especially teaching hospitals, will face significant challenges in the 'era of limits,'" he added.

In his new capacity, he will report on the integration of all hospital committees that monitor resource management, consumption, patient care and effective delivery of Medical Center services.

Dr. Trautlein joined the Medical Center faculty in 1972 as assistant professor and was promoted to associate professor in 1977. He is affiliated with numerous national associations and academies relating to clinical pharmacology, internal medicine and utilization review.



Dr. David G. Rice



Dr. Donald W. Turner

Calendar

August 11-25

Special Events

Thursday, August 11

Early registration, through August 15, 112 Shields Bldg.

Friday, August 12

Keystone State Games, through August 15.

Monday, August 15

Third Annual M.E. John Memorial Lecture, 10 a.m., 215 Armsby Bldg, Michael F. Nolan,

Univ. of Missouri-Columbia, on "Lambos to the Slaughter or Wolves in Sheep's Clothing?"

Thursday, August 18

Community International Hospitality Council, reception for new international students and families, 7:30 p.m., 101 Kern.

Saturday, August 20

Summer Commencement, 10:30 a.m., Recreation Bldg.

Monday, August 22

Distribution of Faculty Studies for the Fall Semester, 7:15 a.m., C106 Pattee.

Tuesday, August 23

Registration, through August 25. Ag Progress Days, 9 a.m.-5 p.m., Rock Springs.

Wednesday, August 24

Ag Progress Days, 9 a.m.-7 p.m., Rock Springs.

Thursday, August 25

Ag Progress Days, 9 a.m.-5 p.m., Rock Springs.

Exhibits

Chambers Gallery

Art Werger, prints, opens August 25.

Kern Gallery

Larry Bartosh, bronze and terra cotta sculpture. Art Alliance portrait and self portrait drawings.

Museum of Art

Museum hours: 11 a.m.-4:30 p.m. Closed Mondays. Tours, Sundays, 1:30 p.m.

Waterways of Pennsylvania, drawings and prints by Diane Burko.

Central Pennsylvania Festival of the Arts juried crafts exhibition, through August 21. Selections from the Museum's collection, through August 21.

Pattee Library

East Corridor Gallery: Gerald Lang, drawings. Black Studies Room: The Life and Work of Eubie Blake.

Zoller Gallery

Susan Johnson, Bob Bingham, paintings, opens August 22.

Bookshelf

Robert E. Burkholder, assistant professor of English at the Wilkes-Barre Campus, is co-author, with Professor Joel Myerson of the University of South Carolina, of *Critical Essays on Ralph Waldo Emerson*, published by G.K. Hall and Co., Boston.

The book is the result of Dr. Burkholder's ongoing examination of American literary criticism in the 19th century, with particular focus on the response to American Transcendentalism. Another phase of this project, *Ralph Waldo Emerson: An Annotated Secondary Bibliography*, also co-authored by Myerson, will be published in the Pittsburgh Bibliography Series by the University of Pittsburgh Press in early 1984.

Dr. Burkholder says *Critical Essays on Emerson* is a comprehensive collection of essays on and reviews of Emerson's work that represent the changing fortunes of Emerson's reputation from the earliest known review of Emerson's first literary publication, *Nature* (1836) to the present.

Critics whose works are included in this volume are Gay Wilson Allen, Lawrence Buell, Thomas Carlyle, Perry Miller, Edgar Allan Poe and Walt Whitman.

While each of the more than 70 essays and reviews was selected for its importance in shaping public and critical reaction to Emerson's work, a special feature of the book is the sampling of previously unknown 19th-century notices and reviews discovered by Dr. Burkholder in the course of his bibliographic research. In the introduction to the volume, Drs. Burkholder and Myerson present an overview of Emerson criticism throughout the last 150 years.

Dr. Diana Hume George, associate professor of English at Behrend College, is co-author of *Epitaph and Icon: A Field Guide To The Old Burying Grounds of Cape Cod, Martha's Vineyard, and Nantucket*, published by Parnassus Imprints.

Epitaph and Icon is a combination of practical information, historical scholarship, literary interpretation, and aesthetic judgments. The introduction gives a brief historical background, a discussion of the old burying grounds, and a tour of the finest grounds on the Cape and Islands.

Separate sections on epitaphs and icons discuss critical approaches to the language and carving on the stones. The book joins together literary readings of epitaphs, art

historical work on iconography, and a field guide to a rich geographical area for stone carving and inscription. Dr. Burkholder's co-author is Dr. Malcolm Nelson, professor of English, State University of New York, College at Fredonia.

Peter B. Pfahl, professor emeritus of floriculture, and Elwood W. Kalin, of Washington State University, have co-authored a book entitled *American Style Flower Arranging*. The book, printed by Prentice-Hall, Inc., discusses the history of flower arranging and principles of design. It also gives the fundamentals for home and church arrangements.

Dr. Juan Fernandez Jimenez, associate professor of Spanish at Behrend College, is the author of an edition and study of Juan de Cardon's *Tratado notable de amor*, published by Ediciones Aula de Madrid in their collection Aula Magna.

The *Tratado notable de amor* is a sentimental romance, written around the middle of the sixteenth century, conserved in manuscript form in the Biblioteca Nacional de Madrid. This is the first time that it has been published.

Sixteen University faculty and staff members have been recognized by Gov. Dick Thornburgh for their contributions to a recently-published book on the state's coal industry.

The volume, *Pennsylvania Coal: Resources, Technology, and Utilization*, is a comprehensive look at coal resources, technology and use, says E. Willard Miller, associate dean emeritus for resident instruction in the College of Earth and Mineral Sciences and co-editor of the book, with Shyamal K. Majumdar of Lafayette College. "This is the first volume to give the total picture of coal mining from its beginnings to its utilizations and the consequences of that utilization."

The 594-page book was published by the Pennsylvania Academy of Science with support from the Governor's Energy Council. The Academy solicited the expertise of faculty and staff members from the College of Earth and Mineral Sciences "because Penn State is the only place in the state with a complete study on the coal industry," Dr. Miller observes.

The book is intended for use as a source and reference volume by engineers, scientists, economists and managers in the coal industry, as well as a text for graduate or upper level undergraduate students in coal science and technology.

Topics include production and distribution of coal, mining methods, the utility market, coal transportation, markets for Pennsylvania coal, environmental and health issues, coal legislation and community and labor involvement in coal. Faculty and staff members, in addition to Dr. Miller, who were authors or co-authors of chapters for the book are: William Speckman, director of the coal research section; Alan Davis, professor of geology; C. Gregory Knight, professor of geography; Christopher J. Bise, assistant professor of mining engineering; L. Barry Phelps, assistant professor of mining engineering; Peter T. Luckie, professor of mineral engineering; Robert G. Jenkins, associate professor of fuel science; Richard Gordon, professor of mineral economics; R.V. Ramani, professor of mining engineering; Rosa G. dePena, professor of meteorology; Jesse F. Core, adjunct professor of mining engineering, and Robert L. Frantz, professor of mineral engineering.

Also attending chapters were Judith Kiusalaas, editor in the Department of Mining Engineering; Ramkrishna V. Nayak, graduate assistant; and Richard J. Sweigard, research assistant.

Robert E. O'Connor, associate professor of political science, is co-author of the textbook, *Politics and Structure - Essentials of American National Government*, third edition, published by Brooks/Cole Publishing Co., Calif.

His co-author, Thomas G. Ingersoll, is a Penn State Ph.D. graduate in political science who is now with the U.S. Environmental Protection Agency.

The book provides a straightforward description of the operation of four essential institutions of the American national government: the presidency, the Congress, the courts and the bureaucracy. "Because of our awareness that the policy decisions made in Washington affect the lives of all of us, we feel that it is important that all of us understand how these decisions are made," Dr. O'Connor says.

To understand this process, it's necessary to learn about both politics and structure. "Our institutions cannot be understood apart from the political context in which they exist and have their purpose," he says.

The book presents the essential features of the national governmental structure so that students can understand the context in which policies are formulated and executed at the national level.

Georg Trakl's Poetry - Toward a Union of Opposites. Richard Detsch. 148 pages. \$16.95.

This is part of the Penn State Studies in German Literature series and discusses Trakl's dream of unity. The recurring themes in Trakl's poetry are brought into focus through Dr. Detsch's literary, psychological and philosophical analysis.

Trakl (1887-1914) is presented as a major poet of the early and most creative period of German expressionism - a poet whose lyric voice sounded a cry of hope in its deepest despair. He sought poetic expression for a union of opposites, as Dr. Detsch shows in quotations from the poet's work (in the original German).

To demonstrate this process, the authors use a single case study on the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (popularly known as the Superfund Law). The act deals with hazardous waste cleanup - a subject that has gotten a lot of news coverage during the past year.

Dr. O'Connor has had many articles published in political science journals and has written several chapters for books. Most recently, he's had chapters published in *Public Opinion and Public Policy* and *Venezuela at the Polls*.

Dr. Peter B. Pfahl, professor emeritus of floriculture, has co-authored with his son, P. Blair Pfahl, Jr., a book entitled *The Retail Florist Business*.

The book presents up-to-date information about the retail florist business, including diversification, the incorporation of computers and a chain-of-life process that increases the keeping life of cut flowers in consumers' homes.

Dr. Ronald W. Pies, coordinator of emergency mental health services at the Center for Counseling and Psychological Services, is the author of *Inside Psychotherapy: The Patient's Handbook*, published by George F. Stickley, a subsidiary of Scribner's.

The book attempts to acquaint the general public with "dynamic" psychotherapy, by taking the reader "behind the scenes," into typical therapy sessions. The book also covers many technical and ethical issues such as confidentiality and the use of psychoactive medication.

Dr. Chester L. Wolford, assistant professor of English at Behrend College, is author of *The Anger of Stephen Crane: Fiction and The Epic Tradition*, published by the University of Nebraska Press.

By means of a careful examination of the major works, as well as many of the minor ones, Dr. Wolford demonstrates in his study that Crane, a major realist, knew Greek and Roman literature, knew the epic and its conventions, and used them to particular effect in his writing.

Specifically, Wolford identifies a pattern of repudiation - most striking, perhaps, in *The Red Badge of Courage*, where Crane systematically introduces and then rejects the informing ideas of traditional epics, from the *arête* of Homer to the Christian mission of Milton - which ultimately expresses Crane's rejection of the whole of the Western cultural heritage.

Dr. Detsch did his basic research for this book at the Brenner Archives of the University of Innsbruck. Since earning his Ph.D. at the University of Colorado, he has taught at Kearney State College, Neb., and has written extensively on German literature since Goethe.

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Penn State Press Offerings

Contemporary German Philosophy.

Volume 2. Dorell E. Christensen, Manfred Riedel, Robert Spaemann, Reiner Wiehl and Wolfgang Wieland, editors. 319 pages. \$17.50.

This is the second volume in a series on contemporary German philosophy published in 1983. The series is designed as a yearbook reviewing the 1960-80 period.

The series makes available in English translation contributions to philosophical comprehension originating in German.

The aim is to provide the reader who is more at home with English some points of access to some of the more pivotal recent contributions in this area of philosophy.

Volume 2 contains an original article by Egon Kring and translations of articles by Lorenz Kruger, Joachim Ritter, Hermann Krings, Werner Beierwaltes, Ernst Tugendhat, Josef Simon, Robert Spaemann, Klaus Maizner, Gunther Patzig and Hans-Ulrich Hoche.

Volume 1 in this series was published by Penn State Press in March.

Partings

Nick A. Abourezk, professor of engineering research and head of the Development Engineering Department at the Applied Research Laboratory, retired on June 30 with emeritus rank after 38 years of service.

In the summer of 1941, a small group of scientists and engineers gathered at Harvard University's Craft Laboratory to study the problems of transmitting and detecting sound under water.

By early 1942, the group became known as the Harvard Underwater Sound Laboratory, and Professor Abourezk was one of the scientists and engineers who researched the first acoustic homing torpedo and underwater detection devices that contributed to the development of sonar.

These devices were credited with aiding the U.S. Navy in suppressing the submarine threat in U.S. coastal waters during World War II. After the war, the University and the Navy moved the Underwater Sound Laboratory to Penn State to form what is now the Applied Research Laboratory.

Professor Abourezk transferred to Penn State where he progressed from an electronic engineer to manager of the Systems Development Division, technical director for the Weapons System Torpedo Mk 48 and professor of engineering research and head of the Development Engineering Department.

During his career, he dealt with division heads of government activities, heads of laboratories, chief engineers, managers and leading scientists. To balance time, cost and technical performance, he helped develop the Integrated Management Information System.

He also has many publications to his credit and has had strong influence on students he has advised. He has been a frequent consultant to the Navy and served on committees to examine and evaluate the research, development, production and management capabilities of industrial firms bidding on Navy contracts.

After 35 years of service, Dr. C. Leonard Fergus has retired from the University with the rank of professor emeritus of botany.

An internationally known specialist in the study of fungi, the group of plants that includes molds and mushrooms, Dr. Fergus is the author of two books and more than 100 scholarly papers.

He was curator of the Penn State fungi



Nick A. Abourezk

collection — The Mycological Herbarium — and editor of *Mycologia*, the journal of the American Mycological Society.

In 1962, '69, and '76, while on leave from the University, he conducted research in Switzerland at the E. Hauser Mushroom Laboratory in Gossau-Zürich, Switzerland.

He has developed numerous courses and laboratory outlines for mycology courses at Penn State and also taught field mycology and mushroom identification at the University of Pittsburgh, Hershey Medical Center and the University of Minnesota.

During his career, he has taught thousands of students in the General Biology, General Botany, Forest Pathology, Plant Pathological Techniques and Physiology of Fungi courses at Penn State.

For more than 20 years, Dr. Fergus also served on the College of Science Premedical Committee. As a member, he planned the premedical program, oversaw it and recommended hundreds of students for entrance into medical school.

He joined the faculty as an instructor in 1948, the same year he earned his doctorate from the University. He received his bachelor's degree at Ottawa University, Ottawa, Kansas, and his master's degree at the University of Kansas.

He was promoted to assistant professor in 1949, associate professor in 1953 and full professor in 1960. He has served two terms as a member of the University Faculty Senate and was a member of the University-wide Library Committee.

He is a member of the American Mycological Society and the American Phytopathology Society. He was on the



Dr. C. Leonard Fergus

AMS Membership Committee from 1955-74 and was editor of the *APS* from 1958-61.

He is also a member of Gamma Sigma Delta, Sigma Xi and Xi Sigma Phi science honor fraternities; Penn State Chapter Faculty Adviser to Pi Kappa Phi, a social fraternity; and was a member of the State College Borough Shade Tree Commission from 1958-67.

He and his wife, Ruth have three sons — all Penn State graduates. Charles is associate editor of *Research/Penn State*; Michael is the varsity basketball coach at Robert E. Lee High School in Houston, Texas; and Brian earned his degree in film this spring.

Relating with "Penn State's finest" is what the University's former chief fund raiser will miss most in his retirement.

Charles Lupton, who retired Aug. 1, joined the Penn State Foundation office as director of development on March 1, 1963. A year later he was made the executive director of the Penn State Foundation. In 1974, President Oswald changed the Penn State Foundation to the Office of Gifts and Endowments with Charlie as the executive director. On May 1, 1982, he was appointed special assistant to the senior vice president for administration.

"It really has been my privilege to know those who I like to think of as Penn State's finest," he said. "These are the many alumni and friends who, because of their loyalty and love of Penn State, provided financial support to the University. It has been enjoyable meeting them, serving as a catalyst in rekindling their interest and their memories of Penn State."

The Penn State Foundation, as Mr.



Charles Lupton



Dr. Robert E. McDermott

Lupton recalls, was a small organization with little clearly defined University policy relevant to private fund raising.

"Consequently," he said, "our appeals, especially for annual gifts, were very general, and overall we were a low-key activity."

Mr. Lupton considers the improvement since 1963 as being primarily due to a broadened base of support through annual giving, and an intensification of the efforts to increase deferred gifts. In the fiscal year 1984 approximately 10,000 gifts were received accounting for a grand total slightly in excess of \$1.8 million. Gifts in 1982 exceeded 60,000 for \$15.2 million. And the figures for 1983 even exceed those of 1982.

In recent years, he said, there has been

(Continued on page 7)

Penn Staters

Dr. Robert A. Bernoff, professor of science and general chemistry and Ogontz Campus executive officer, presented an invited workshop at the Ninth International Conference on Improving University Teaching in Dublin, Ireland. His presentation was entitled "Interactive Approaches to Teaching Critical Thinking in Large or Small Group Instructional Settings."

Dr. William Bradley, associate professor of art education, is exhibiting his work in a current exhibition of Pennsylvania Sculptors at the Governor's Mansion in Harrisburg.

Dr. Helen A. Guthrie, professor of nutrition, and Dr. George M. Guthrie, professor of psychology, presented co-authored papers at two international conferences. They presented a paper on "Maintaining Improved Diets Among Philippine Toddlers" at the First International Symposium on Public Health in Asia and the Pacific Basin in Honolulu, Hawaii and discussed "Belief Systems and Socio-

Economic Development" at the Conference on Psychology and Socio-Economic Development at the National University of Malaysia, Kuala Lumpur, Malaysia.

Dr. Shirley C. Hendrick, assistant professor and academic coordinator for continuing education in business administration, has been appointed to a three-year term on the board of the Institute for Certifying Secretaries, a department of Professional Secretaries International (PSI).

Dr. Gene M. Love, associate dean for resident instruction in the College of Agriculture, has been elected secretary of the Resident Instruction Committee of Organization and Policy (RICOP), Division of Agriculture, National Association of State Universities and Land-Grant Colleges.

Dr. Robert H. McAlexander, assistant dean and director of international agricultural programs in the College of Agriculture, has received the distinguished service award from the

National Association of U.S. University Directors of International Programs in recognition of service to international agriculture and the advancement of educational missions to modernize world agriculture.

Stuart J. Sigman, assistant professor of speech communication, presented an invited paper tracing the history and development of kinesics at the Centro Internazionale di Semiotica e Linguistica, Urbino, Italy, in July and this month presented a paper "Adjustment to the Nursing Home as a Social Interactional Accomplishment," to the Symposium on the Relevance of the Social Sciences to Health Care Delivery for the 11th International Congress of Anthropological and Ethnological Sciences, Vancouver, British Columbia.

Dr. Eugen J. Skudrzyk, professor emeritus of physics, has been awarded the Silver Medal in Theoretical and Applied Acoustics by the Acoustical Society of America for his extensive contributions to the advancement of

acoustics as author, researcher and teacher. He is the first recipient of this honor which was created for individuals who have made significant contributions to acoustics. This award will be presented not more than once every five years.

Dr. V.S. Stubican, professor of materials science and engineering, and Gregory S. Corman, a Ph.D. candidate in Ceramic Science, presented an invited paper entitled "Phase Equilibria in Some Zirconia Systems" at the second International Conference on Science and Technology of Zirconia in Stuttgart, West Germany.

Dr. Susan F. Weis, associate professor of home economics education, has been reappointed for a fourth year by Governor Dick Thornburgh to serve on the Pennsylvania Advisory Council on Vocational Education. The Council evaluates and monitors vocational education programs and services. It advises the State Board of Education on the needs of vocational education in the Commonwealth.

Partings

(Continued from page 6.)

an intensification of activity to attract major gifts. Several University projects were selected and active research of major gifts prospects was initiated. Private fund raising, through effective use of the computer as an informational tool, is now much more sophisticated. Internally, the processing, recording and reporting of gifts is greatly improved, also with strong computer assistance.

Asked what his greatest satisfactions have been, Mr. Lupton said, "In addition to the increase in private support, the growth in competency and professionalism of the staff has been very gratifying. The staff, professional and clerical, is not only competent but also very loyal and dedicated. Because of their efforts, we have come a long way."

In his retirement, Charlie Lupton intends to do what he does best and that is raise money. As president of the Silver Bay Association, the Northeast Regional YMCA Conference Center on Lake George

in New York, he will be even more active in a \$2.5 million campaign. He is also presently the president of the Administrative Board of St. Paul's Methodist Church in State College and is anticipating involvement in a campaign for the church.

Charlie has been active physically as a jogger and swimmer. He has also been painting for some time and plans to do more watercolor work. He and his wife, Ruth, also plan to spend more time with their two daughters and three grandchildren.

Dr. Robert E. McDermott of Harrisburg, who served from 1972-79 as the first provost of Capitol Campus, retired from the University on June 30.

After serving as provost at Capitol for seven years, he returned to teaching at the campus as a professor of regional planning. At the end of his tenure as provost, he was cited by then University President Dr. John W. Oswald for having refined staff and administrative functions, advanced faculty development and initiated research programs at the campus.

A native of Illinois, Dr. McDermott came to Capitol Campus from the University of Arkansas, where he served for three years as dean of the Graduate School, professor of botany and coordinator of university research. Prior to going to Arkansas, he had been at University Park campus from 1959-69.

He has held appointments as professor of forestry and later head of that department, associate dean for administration in the Graduate School and acting associate director of the Center for the Study of Higher Education. Previously he had taught botany and forestry at the University of Missouri and Duke and Iowa State universities.

He has been cited by *American Men of Science*, *The Dictionary of International Biography*, *Leaders in American Science*, *Who's Who in America* and *Who's Who in American Education*.

He received his bachelor of science degree in forestry and his master's degree in botanical science from Iowa State University and his Ph.D. degree in botany from Duke University.

Dr. McDermott and his wife Barbara, have two daughters, Karen, who is a freelance editor in Germany, and Paula, who will enroll in Dickinson Law School in the fall.

Richard W. Anthony, maintenance worker, Mont Alto Campus, from Aug. 1, 1971, to Aug. 2.

John L. Ferencik, maintenance mechanic, Beaver Campus, from July 23, 1972, to Aug. 1.

Mary H. Dunkle, assistant director for public information and relations and manager, news bureau, from Nov. 13, 1972, to July 30.

Warren W. Kopp, manager, anatomic pathology/chief, cytotechnology, Hershey, from Aug. 1, 1970, to July 30.

Dr. Michael A. Barendse, assistant professor of sociology, Worthington Scranton Campus, from Sept. 1, 1971, to July 1.

Promotions

Staff Exempt

Terry L. Corl to communications analyst in Business Services.

Margaret J. Dierkers to assistant director in Student Affairs.

Carl M. Fisher to chief engineer/technical supervisor in Commonwealth Educational System.

Cynthia L. King to assistant director of undergraduate admissions in Undergraduate Admissions.

Paul F. Tabolt, assistant director, physical plant administration in Physical Plant.

Staff Non-Exempt

Susan H. Garis to editorial assistant in Vice President for Undergraduate Studies.

Virginia McGarvey to senior research

technician at Hershey.

Kathleen A. Pasko to senior research technician at Hershey.

Barbara Pichini to research technician at Hershey.

Linda Sontheimer to senior staff nurse at Hershey.

Marianne Tezak to research technician at Hershey.

Michael A. Walega to senior research technician at Hershey.

Carol J. Wright to research technician at Hershey.

Clerical

Sherry R. Casamento to secretary B in Student Affairs.

Susan L. Cramer to clerk, data processing in Education.

Catherine Fry to senior accounting clerk in

Science.

Sarah D. Mathis to secretary B in Science.

Barbara Merritt to secretary A in Senior Vice President for Administration.

Beth Ann Musser to secretary C in Health, Physical Education and Recreation.

Patricia J. Neidigh to clerk, typist A in Personnel.

Marian R. Smith to clerk, typist A in Agriculture.

Christine Thompson to secretary C in Science.

Pauline M. Wilson to secretary A in Senior Vice President for Administration.

Technical Service

David Bayllets to stockroom clerk B in Physical Plant.

Francis Charles Groeller to maintenance

worker (general) A at Allentown.

Donald A. Grove to carpenter A (field) in Physical Plant.

Susan C. Hummel to community service officer at Behrend.

Martha E. Lansberry to janitorial worker in Health Services.

Clair L. Moore to carpenter A (field) in Physical Plant.

Albert A. Rossman to plumber-fitter in Physical Plant.

Obituary

Joseph M. Bringman, research associate in the Applied Research Laboratory from Feb. 1, 1949, until his retirement July 1, 1970, died June 19 at the age of 74.

25-year award recipients



The following are observing 25 years at the University: (from left) Dr. Alan B. Draper, professor of industrial engineering; Dr. George A. Eitzweiler, associate professor of electrical engineering; Shirley J. Leitch, office manager, Department of Purchases; Harold E. Nett, assistant director, Management Services; and Francis T. Zonis, associate director of contracts, Office of Sponsored Programs in the Office of Vice President for Research and Graduate Studies.



The following College of Agriculture staff are observing 25 years at the University: (from left) Frank E. Bortz, professor of 4-H youth extension; James E. Brewer Jr., associate professor of ornamental horticulture; Cynthia Campbell, senior milk testing operator; Jacob E. Guffey, extension agent, Bradford County; and Herbert A. Wetzel, county extension director, Berks County.

Returning adult students get help from new center

Adults who are returning to college after being out of school for a while have a new source of information and help at the University Park Campus.

The Returning Adult Student Center opened this month, and Coordinator Barbara C. Wood says business already has been brisk.

"I'm pleased at how many people have come to see us," she says. "We're getting a number of questions. One of the topics that comes up most frequently is financial aid. We see ourselves as primarily an information and referral unit, tracking down answers for people and helping them find the services they need."

The center is located in the Donovan Room (room 204) of the HUB, a site it shares with the Women's Studies

Program. The Center is open from 8 a.m. to 5 p.m. this summer. Its hours may be modified in the fall to suit the needs of those it serves.

It serves all returning students — both men and women, and non-degree as well as degree students. There is no age limit.

"We're here to help anyone who has been out of school long enough to feel uncomfortable about going back," Dr. Wood says. "People as young as 22 or 23 may feel uncomfortable in a classroom of 18-year-olds who have come to Penn State straight out of high school."

The Center will offer some counseling services and will help returning students form support groups for needs that can't be met through existing groups. It will sponsor, with Continuing Education, a

course in basic study skills.

"Right now, we're working with the Faculty Women's Club to establish a loan fund for returning students. In the future, we hope to be able to interest other groups in such funds," Dr. Wood says.

"We'll also serve a social function. We hope the Center will become a place where returning students can seek companionship and share their experiences with others who have similar concerns." The Center provides kitchen and lounge facilities.

An Interim Advisory Committee appointed by Dr. Wood will help chart the course of the Center for the next several months. Its members represent existing offices and services such as Continuing Education, the Career Development and

Placement Center, the Office of Admissions, the Office of Student Aid, the Office of Student Affairs and the Division of Undergraduate Studies.

Plans to establish the Returning Adult Student Center were announced last winter, after the University's Commission for Women recommended such a step. Such programs are being established at campuses throughout the United States, Dr. Wood notes.

"Recent studies have shown that returning students now represent about one-third of the total U.S. student population," she says.

The Center will be the site of an Open House on Thursday, Aug. 25, from 2 to 5 p.m. For more information about the Center, call 863-3887.



Virginia Noble (left), a master's degree candidate at the University, talks with Barbara Wood, coordinator of the Returning Adult Student Center, about financial aid.

Change expected to reduce violations

A change in the faculty-staff parking penalty structure effective Monday, Aug. 15, is expected to reduce the number of wrong area faculty-staff parking violations and is expected to reduce the cost of processing these violations if faculty and staff members take advantage of an early payment penalty reduction. On that date, parking penalties will be increased by \$2.00 to \$3.00 depending on the parking violation. At the same time, there will be a \$2.00 dollar early payment reduction if the penalty is paid or appealed within 72 hours of the time of the violation.

These changes have been necessitated because of the increasing number of faculty-staff parking violations and the increased costs associated with the processing of the violations.

More than 90% of all faculty-staff parking violations are for wrong area parking. Since most faculty-staff parking areas are assigned to capacity, unassigned vehicles parked in these parking areas cause great inconvenience to those faculty or staff members assigned.

The cost for processing parking violations increases as the length of time the violation is not paid increases. The early payment penalty reduction is expected to help reduce costs related to processing of violations.

Additional information concerning the new parking penalties and payment procedure will be distributed to faculty and staff members by college or department parking chairpersons.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filing. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 1387). Applications for these staff vacancies will be accepted until 5 p.m., August 18, 1983. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (FE-1) and in compliance with the University's Affirmative Action Compliance Program, without regard to race, color, religion, national origin, handicap or age (as provided by law), sex, or status as a disabled or Vietnam era veteran.

● **Manager, Physician Reimbursement, College of Medicine, Hershey** — Responsible to the associate hospital director for managing the professional admissions, outpatient registration and credit and collections and professional revenue of the clinical departments within the Medical Center. Bachelor's degree in business, economics, finance or accounting (or equivalent) plus at least four to seven years of effective experience in medical group management, health care accounting, third party professional relations or other similar financially oriented position dealing with hospital or physician professional revenue systems.

● **Medical Social Worker I, College of Medicine, Hershey** — Responsible to the social services coordinator to serve as part of the health care team in providing practical help and emotional support to patients and their families, and assume teaching and consultation functions. Bachelor's degree in social work from an accredited college or university, or a bachelor's degree with emphasis in human services field with one to two years of experience in social work, or equivalency.

● **Supervisor, Medical Records, College of Medicine, Hershey** — Responsible for supervision of department clinical staff and directing the efficient operation and management of medical records. Bachelor's degree (or equivalent) in medical records administration with registration, or registration

eligible as a medical records administrator, plus up to one year of effective experience.

● **AV Materials Specialist, Commonwealth Educational System, University Park** — Responsible for providing media reference services to the University community regarding film/video tapes available and for assisting in locating new materials. Provide assistance in film and tape evaluation and acquisition functions in the areas of science and math. Bachelor's degree (or equivalent) in a science related field or communications with special emphasis in science and one to two years of effective experience in media reference, acquisition, evaluation or distribution functions. Good oral and written communications skills required.

● **Utility System Engineer, Office of Physical Plant, University Park** — Responsible to the manager of utility systems engineering for planning and design of University electrical utility production facilities and electrical distribution/collection systems; provide engineering and consultation services to develop operational and maintenance program parameters; analyze consumption and operations to determine needs for modifications and improvements to facilities. Bachelor's degree in engineering (or equivalent) with five to seven years of effective experience in the design and/or operation of utility facilities and systems and the supervision of technical and support personnel. Must be eligible for registration as Professional Engineer in the Commonwealth of Pennsylvania.

● **Assistant to the Director for Summer Session, President's Office, University Park** — Responsible for planning and developing marketing strategies and coordinating activities for program development for Summer Session. Oversee budget expenditures related to programs and coordinate class schedules to ensure program balance. Research funding sources and oversee the development of proposals; organize conferences, etc., and maintain liaison with other departments and administrative units. Master's degree (or equivalent) in higher education administration or related field plus two to three years of effective experience in education administrative activities including budget planning. Computer skills relevant to administrative applications highly desirable.

● **Information Systems Consultant, Management Services, University Park** — Responsible for the development and delivery of training to support direct users of Management Services software tools and data. Serves as ad hoc consultant to users and conduct training sessions, analyze user programs, prepare written information, etc. Develop and maintain procedures to assure efficient operation and utilization of the Information Center. Bachelor's degree (or equivalent) in computer science or a related field plus two to four years of effective experience involving both data processing and training activities.

There are positions in certain work units that, because of the large number of such positions, frequently are still available after employees in the work unit have been considered. They are listed below and will not be listed on an individual vacancy basis. Application for such positions may be made at any time, and you are welcome to make your interests known now to the Employment Division for future consideration when such vacancies occur.

These positions are:

POSITION TITLE	LOCATION
Assistant Dining Hall Supervisors	Housing and Food Services
Computer Operators	Intercollege
Shifts: 8 a.m. to 4:30 p.m. 4:30 p.m. to 1 a.m.	Research Programs

Midnight to 8 a.m. Coordinator, Residence Hall Programs Programmers	Student Affairs Management Services College of Agriculture
Research Aides	Hershey Hershey
Cardiology Technicians Clinical Laboratory Assistants	Hershey Hershey
Clinical Laboratory Technologists (HEW)	Hershey
Clinical Nursing Specialist — Pulmonary	Hershey
Critical Care Monitoring Technicians	Hershey
(Jr. & Sr. Levels)	
Cyto-Technologists	Hershey
Licensed Practical Nurses	Hershey
Medical Technicians (CLA, MLT, CLT, HEW)	Hershey
Nuclear Medical Technicians	Hershey
Perfusionists	Hershey
Pharmacists	Hershey
Physical Therapists	Hershey
Physician's Assistants	Hershey
Psychiatric Assistants	Hershey
Radiology Technicians	Hershey
Research Technicians (Jr. & Sr. Levels)	Hershey
Respiratory Therapy Technicians	Hershey
Staff Nurses	Hershey

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